

**PERIODICAL
GUIDE
FOR
COMPUTERISTS**

*An Index of Magazine Articles
for Computer Hobbyists*

January - December 1978

PERIODICAL GUIDE FOR COMPUTERISTS 1978

TABLE OF CONTENTS

| | |
|----------------------------------|----|
| MAGAZINE AND ABBREVIATION LIST | 2 |
| AMATEUR RADIO | 3 |
| ANALOG APPLICATIONS | |
| " HARDWARE & CIRCUITS | 3 |
| " A/D & D/A CONVERTERS | 4 |
| APPLICATIONS. GENERAL | 5 |
| ART | 6 |
| BAR CODES | 6 |
| BIORYTHMS | 6 |
| BOOKS AND PUBLICATIONS | 6 |
| BUSINESS APPLICATIONS | |
| " GENERAL | 7 |
| " ACCOUNTING | 8 |
| " WORD PROCESSING & MAIL LISTS | 8 |
| CALCULATOR | |
| " GENERAL | 9 |
| " SELECTION GUIDES | 9 |
| " PROGRAMS | 9 |
| CLUBS AND ORGANIZATIONS | 11 |
| CLOCKS | 11 |
| COMMUNICATION | 11 |
| CONSTRUCTION | 12 |
| CONTROLLERS | 12 |
| CONVERSION. CODE | 13 |
| CONVERSION. NUMBER BASE | 13 |
| DEBUG | 13 |
| DEFINITIONS | 14 |
| DIGITAL HARDWARE AND CIRCUITS | 14 |
| DISPLAYS. 7-SEGMENT ETC. | 15 |
| EDUCATION | 15 |
| EXPERIENCE | 17 |
| FICTION | 17 |
| FUTURE | 17 |
| GAMES | |
| " CALCULATOR | 18 |
| " CHESS | 18 |
| " COMPUTER | 19 |
| " ELECTRONIC & VIDEO | 21 |
| GENERAL INTEREST | 21 |
| GRAPHICS | 22 |
| HISTORY | 23 |
| HOBBY (PERSONAL COMPUTING) | 23 |
| HOME APPLICATIONS | 24 |
| HUMOR | 25 |
| I/O | 25 |
| INTELLIGENCE. ARTIFICIAL | 26 |
| INTERFACES & BUSSES | 27 |
| KEYBOARD | 27 |
| LANGUAGES | |
| " GENERAL | 28 |
| " APL | 28 |
| " BASIC | 29 |
| " BASIC. TINY | 30 |
| " FORTRAN | 30 |
| " PASCAL | 30 |
| " PILOT | 31 |
| " TINY LANGUAGES | 31 |
| " OTHER LANGUAGES | 31 |
| LOGIC CIRCUITS AND FUNDAMENTALS | 32 |
| MATH. GENERAL | 32 |
| MATH. PROBLEMS AND PUZZLES | 33 |
| MEDICAL APPLICATIONS | 34 |
| MEMORY | |
| " GENERAL | 34 |
| MEMORY, continued | |
| " DISKS, FLOPPY & HARD | 34 |
| " PROM AND ROM | 35 |
| " RAM | 36 |
| " TAPE, MAGNETIC & PAPER | 37 |
| " TEST | 38 |
| MICROCOMPUTERS | |
| " GENERAL | 38 |
| " DESIGN | 38 |
| " FUNDAMENTALS | 39 |
| " SELECTION GUIDE | 39 |
| " ALTAIR | 40 |
| " APPLE | 40 |
| " ELF & VIP (COSMAC) | 40 |
| " HEATH | 41 |
| " KIM | 41 |
| " NORTH STAR | 42 |
| " OHIO SCIENTIFIC | 42 |
| " PET | 42 |
| " POLYMORPHIC | 43 |
| " RADIO SHACK TRS-80 | 43 |
| " SOL | 44 |
| " SWTPC | 44 |
| " OTHER MICROCOMPUTERS | 44 |
| MICROPROCESSORS | |
| " GENERAL | 45 |
| " SELECTION GUIDES | 45 |
| " 6502 | 45 |
| " 6800, 68000 MOTOROLA | 46 |
| " 8080, 8085, 8086 INTEL | 46 |
| " BIT-SLICE | 47 |
| " COSMAC 1802 | 47 |
| " F-8 | 47 |
| " SC/MP | 47 |
| " Z-80, Z-8000 ZILOG | 48 |
| " OTHER MICROPROCESSORS | 48 |
| MODEM | 48 |
| MUSIC | 49 |
| PLOTTERS & PLOTTING | 49 |
| POWER SUPPLY | 49 |
| PRINTER | 50 |
| PROGRAMMING & SOFTWARE | |
| " GENERAL | 50 |
| " APPLICATION PROGRAMS | 51 |
| " ASSEMBLERS & MONITORS | 53 |
| " FUNDAMENTALS | 53 |
| " OPERATING SYSTEMS | 55 |
| " STRUCTURED | 55 |
| " UTILITY | 55 |
| PUBLIC ACCESS | 57 |
| ROBOTS | 58 |
| SERIAL I/O | 59 |
| SHOWS | 59 |
| SIMULATION AND COMPUTER MODELING | 59 |
| SPEECH | 60 |
| STANDARDS | 60 |
| STORES AND ENTERPRISES | 61 |
| TERMINALS | 62 |
| TEST EQUIPMENT | 62 |
| TEXT EDITING | 63 |
| TIMESHARING | 63 |
| VIDEO DISPLAYS | 63 |
| WEATHER AND ENVIRONMENT | 64 |
| AUTHOR INDEX | 65 |
| MAGAZINE ADDRESSES | 80 |

LIST OF ABBREVIATIONS AND MAGAZINES INDEXED

| ABBREVIATION | MAGAZINE |
|--------------|-------------------------------|
| Byte | Byte |
| CQ | CQ Amateur Radio |
| Calc. Comp. | Calculators / Computers |
| Comp. Dec. | Computer Decisions |
| Comp. Des. | Computer Design |
| Cr. Comput. | Creative Computing |
| Dig. Design | Digital Design |
| Dr. Dobbs | Dr. Dobbs Journal of Computer |
| EDN | EDN |
| Electronics | Electronics |
| Elec. Des. | Electronic Design |
| Elem. Elec. | Elementary Electronics |
| Ham Radio | Ham Radio |
| Interf. Age | Interface Age |
| Kilobaud | Kilobaud |
| Micro | Micro |
| Mini Micro | Mini Micro Systems |
| Modern Elec. | Modern Electronics |
| PCW | Personal Computer World |
| Peoples | Peoples Computer |
| Per. Comput. | Personal Computing |
| Pop. Elec. | Popular Electronics |
| QST | QST Amateur Radio |
| Radio Elec. | Radio Electronics |
| ROM | ROM |
| Spectrum | IEEE Spectrum |
| 73 | 73 Amateur Radio |

MONTH ABBREVIATIONS

A Number following the Month
designates the day of issue.

| | |
|----|-----------|
| Ja | January |
| F | February |
| Mr | March |
| Ap | April |
| My | May |
| Je | June |
| Jy | July |
| Ag | August |
| S | September |
| O | October |
| N | November |
| D | December |

TYPE OF LISTING

| | |
|---|--------------------|
| a | Article |
| b | Book Review |
| e | Editorial |
| l | Letter from Reader |

Library of Congress ISSN 0147-3077

Published and Available From:

E. Berg Publications
1360 S.W. 199th Ct.
Aloha, OR. 97005

Copyright © 1979 by E. Berg Publications All Rights Reserved

Printed in the United States of America

PERIODICAL GUIDE FOR COMPUTERISTS

JANUARY - DECEMBER 1978

AMATEUR RADIO

| | | | | |
|-------------|-----|------|---|-------------------------------------------------------------------------------------------------|
| Byte | N | p48 | a | The Sky's the Limit; Using Ham Bands for Intercomputer Communication by Joe Kasser |
| Byte | N | p120 | a | A Multiuser Data Network; Communicating Over VHF Radio by Robert E Brunninga |
| QO | Ap | p24 | a | Selection of Contest Operators Using Biorythm Charts by Prof Emil Heisseluft |
| Electronics | N 9 | p90 | a | Communications: That boom you hear is ham radio by Vincent Biancomano |
| Elem. Elec. | S | p73 | a | Microcomputers are causing a revolution in radio by Norman Meyers |
| Ham Radio | Ja | p61 | a | Microprocessors: A uP Controlled CW Keyboard by James W Pollock |
| Ham Radio | F | p40 | a | Satellite Tracking - Pointing & Range with a Pocket Calculator HP25 by John A Ball |
| Ham Radio | Mr | p104 | a | Numerical Smith Chart Using Hand Held Programmable Calculator HP25 by C R MacCluer |
| Ham Radio | My | p34 | a | Antenna Bridge Calculations using Hand Held Calculator HP25 by Leonard H Anderson |
| Ham Radio | My | p45 | a | Noise Bridge Calculations with TI58/59 Calculators by T J Anderson |
| Ham Radio | My | p67 | a | Calculating Antenna Bearings for Geostationary Satellites by H Paul Shuch |
| Ham Radio | Je | p68 | a | Programming for Automated Satellite Communications with TI Prog. Calc. by Charles F Milazzo |
| Ham Radio | S | p93 | a | Digital Keyboard Entry System by Glenn Williman & Bruce McNair |
| Ham Radio | D | p38 | a | The OSCAR Calcu-puter by Dave Brown |
| Interf. Age | O | p86 | a | Computer Generated Morse Code by Jim McClure |
| Kilobaud | N | p34 | a | World of the Brass Pounders: Receive Morse Code the Easy Way by Robert L Kurtz |
| Micro | Ap | p7 | a | A Complete Morse Code Send/Receive Program for the KIM-1 by Marvin L DeJong |
| QST | Mr | p23 | a | Locating Geosynchronous Satellites with help from a Pocket Calculator by Bill Johnston |
| QST | Ap | p45 | a | His Computer Does the Operating by Charles J Harris |
| QST | O | p25 | a | SSTV Pictures from Your Microcomputer by Barry Sanderson |
| Spectrum | D | p30 | a | OSCAR (and friends): Useful yet frugal by William Dunkerley |
| 73 | Ja | p92 | a | Practical Computer Projects by Mickie |
| 73 | F | p68 | a | KIM-1 Can Do It! by Clifton W Pittelkau |
| 73 | F | p82 | a | Put An Elf In Your Keyer - sneaky computer strikes again by Jeff Duntemann |
| 73 | F | p84 | a | Try HCAI - ham computer assisted instruction by Ed Hughot |
| 73 | Mr | p88 | a | Solve Those Parallel Problems - HP-25 programs choose the values by Joseph M Fedock |
| 73 | Mr | p98 | a | Programming Coil Design - at last a use for computers! by Al Gerbens |
| 73 | Ap | p88 | a | At Last! A Use For Your Computer! - RTTY filter design program in BASIC by Dr John F Stewart |
| 73 | My | p92 | a | Diary Of A Survivor - cyberosis victim tells all by Kenneth S Widelitz |
| 73 | Je | p108 | a | Computerized Loop Antenna Design - in BASIC by William Slattery |
| 73 | Jy | p114 | a | The 22S Programmer Program - diode selection in BASIC by Dave Lien & Dave Waterman |
| 73 | Ag | p108 | a | The BASICs of L-Network Design - your micro makes it simple by Al Gerbens |
| 73 | S | p106 | a | Computerized QSO Records - who needs a logbook? by Charles Zappala |
| 73 | O | p156 | a | Bird Watching in BASIC Land - another use for your micro by Sam Creason |
| 73 | O | p166 | a | World's Cheapest QSLs - BASIC program keeps your log, too by Charles Zappala |
| 73 | N | p130 | a | R-X Bridge + Calculator = VSWR antenna tuning without QRM by Wallace T Thompson |
| 73 | N | p168 | a | SSTV Meets SWTPC: Part 1 --micro-enhanced pictures by Clayton W Abrams |
| 73 | D | p148 | a | Whither Microcomputers? --a pro looks ahead by Charlene Babb Knadle |
| 73 | D | p152 | a | SSTV Meets SWTPC: part 2 --micro-enhanced pictures by Clayton W Abrams |
| 73 | D | p160 | a | A Multi-Memory Morse Machine --using a Motorola micro by Kenneth D Leininger |
| 73 | D | p170 | a | RTTY with the KIM --one more step by Kim H Lantz |
| 73 | D | p174 | a | DX Delight --a do it all program by Jan A Heise & Ed Mehnert |

ANALOG APPLICATIONS: HARDWARE & CIRCUITS

| | | | | |
|-------------|----|------|---|-------------------------------------------------------------------------------------------------------|
| Byte | F | p168 | a | A Simple Digital Filter by Robert Grappel |
| Byte | O | p100 | a | Linear Circuit Analysis by Leonard H Anderson |
| Comp. Des. | Ja | p132 | a | Microcomputer Interfacing: Analog Multiplexers by J Titus, C Titus, P Rony & D Larsen |
| Comp. Des. | F | p134 | a | Low Cost Pressure-Data Encoder |
| Cr. Comput. | Ja | p140 | a | Kirkof and Netwrk by Alan Brown |
| Cr. Comput. | Jy | p48 | a | The Telltale Heart: EKG Processing by Microcomputer by Farhad Forbes, Harry Garland & Takao Tsuiki |

ANALOG APPLICATIONS: HARDWARE & CIRCUITS continued

EDN Ja20 p38 a Remote data station simplifies data gathering by Skip Osgood
 Electronics Ja5 p176 a Digital thermometer circumvents drift by Henry Wurzburg & Mike Hadley
 Electronics F 16 p110 a EEPROM achieves nonuniform data-channel sampling by B Bowles & T U Nelson
 Electronics Mr2 p110 a Programmed module automates transducer's linearization by C Viswanath
 Electronics N 23 p150 a Single-loop process controller adapts gain to operating level
 by Frank Hermance & David Farwell

Ham Radio Mr p48 a Introduction to Operational Amplifiers by Donald W Nelson
 Interf. Age Jy p68 a Interfacing A Microcomputer to the Analog World by Orv Balcom
 Kilobaud F p72 a Interfacing Tips communicating with the outside world by Mark Boyd
 Kilobaud Mr p110 a Temperature Sensing, some exciting possibilities! by John Bauernschub
 Mini Micro Ag p60 a Microcomputers In An Analog World by George F Bryant
 Modern Elec My p17 a Computers: For Some Problems An Analog Computer Can Do A Better Job
 by Pete Stark

Radio Elec. D p78 a A Look at the Software to Control An 8 Channel Analog Monitor
 by C Titus, P Rony, D Larsen & J Titus

Spectrum Jy p38 a Microcomputers Invade the Linear World by Robert L Morrison
 73 F p166 a The Op Amp Encyclopedia by Joseph J Carr
 73 Mr p98 a Programming Coil Design - at last a use for computers! by Al Gerbens
 73 Ap p44 a How Do You Use ICs? (analog) by Alexander MacLean
 73 Jy p78 a The New Op Amps - better, lower cost by Robert C Ghormley
 73 Ag p108 a The BASICS of L-Network Design - your micro makes it simple by Al Gerbens

ANALOG APPLICATIONS: A/D & D/A CONVERTER

Byte Ja p37 a Add More Zing to the Cocktail (uP controlled DVM Construction article)
 by Steve Ciarcia

Comp. Des. Mr p152 a Monolithic Data Conversion Devices: Digital to Analog Converters
 Comp. Des. Ap p188 a Monolithic Data Conversion Devices: Analog to Digital Converters
 by Eric R Green

Comp. Des. Je p122 a Programmable Handheld Calculator Computes D/A Converter Errors SR52
 by Paul Prazak

Comp. Des. S p113 a Interpretation of Data Converter Accuracy Specification by Eugene L Zuch
 EDN Je20 p47 a Priority encoders provide A/D conversion by W Thomas Adams
 EDN O 20 p133 a Complex analog I/O boards needn't be difficult to interface by John Conway
 Electronics Ja5 p158 a RAM and d-a convertor form complex-waveform generator
 by William A Palm & G A Williamson

Electronics Ja19 p113 a What to look for in analog input/output boards by Norman Bernstein
 Electronics Ap13 p99 a I2L puts it all together for 10-bit a-d converter chip by Paul Brokaw
 Electronics My25 p122 a uController includes a-d converter for low-cost analog interfacing 8022
 by W Check, E Cheng, G Hill, M Hollen & J Miller

Electronics Jy6 p129 a Improved processor (8080) program boosts a-d conversion efficiency
 by Tomasz R Tanski

Electronics Jy20 p129 a Microcomputer's on-chip functions ease users' programming chores (8022)
 by William F Ittner & Jeffery A Miller

Elec. Des. Mr15 p110 a Quantize the feedback in a/d converters with uP. by Gary Grandbois
 Elec. Des. Ap12 p66 a Video analog-to-digital conversion by Eugene Zuch
 Elec. Des. Ag2 p68 a Put video a/d converters to work by Eugene Zuch
 Elec. Des. S 27 p88 a See how the IEEE488 bus works by designing a compatible a/d-d/a system
 by Joe Hootman

Elec. Des. O 11 p238 a Shopping for the right analog I/O board, software considerations first t
 by Fred Molinari, Paul Severinot & Edwin Kroeker

Ham Radio Ap p66 a uComputer Interfacing: Interfacing a 10-bit DAC
 by P Rony, J Titus, C Titus & D Larsen

Kilobaud My p60 a Expand Your KIM Part 5: A/D interfacing (for joysticks!) by John Blakenship
 Kilobaud Ag p102 a The Amazing 1802: D/A and A/D Applications by Robert J Cotter
 Micro Ja p11 a Digital-Analog and Analog-Digital Conversion Using the KIM-1
 by Marvin L DeJong

Per. Comput. Ja p73 a A/D Conversion by Steve Pollini
 Pop. Elec. Jy p82 a Experimenter's Corner: Digital to Analog Converters Part 1 by Forrest M Mims
 Pop. Elec. Ag p76 a Experimenter's Corner: Digital to Analog Converters, Part 2 by Forrest M Mims
 Pop. Elec. S p45 a Build a Low-Cost A/D Converter by W L Green
 Pop. Elec. S p92 a Analog to Digital Converters, Part 1 by Forrest M Mims
 Pop. Elec. O p82 a Experimenter's Corner: Analog to Digital Converters Part 2 by Forrest M Mims
 Radio Elec. N p82 a How to use the 8085 with an A/D converter to Monitor 8 analog channels
 by P Rony, D Larsen, C Titus & J Titus

73 O p161 a Computers and the Real World - practical D/A and A/D conversion
 by Kenneth D Tentarelli

APPLICATIONS. GENERAL

Byte O p6 e On Using a Personal Computer for a Practical Purpose by Carl Helmers
 Byte N p112 a A Classroom Demonstration; Controlling a System with a Microcomputer by Garnet L Hill

Cr. Comput. Jy p79 a Does Your Car Need Oil? by Rob Lufkin
 Cr. Comput. Jy p82 a Judo & The Black-Belted Computer (Scoring & Keeping Statistics) by Ramon C Barquin

Cr. Comput. Jy p92 a Piecing Together a Judo Program by Eben Ostby
 Cr. Comput. S p112 a Distributed Processing "Dynamite"...Not Necessarily!! by James C Meehan
 Cr. Comput. N p49 b The Mind Appliance: Home Computer Applications by T G Lewis
 Cr. Comput. N p50 b 57 Practical Programs & Games In BASIC by Ken Tracton
 Cr. Comput. N p94 a Need a Subject Index? Use NEPHIS by Timothy C Craven
 Cr. Comput. N p156 a Season's Greetings Computer Generated Christmas Letters by Gordon Flemming

Dig. Design Ja p35 a Computer-Assisted Image Processing by Alan S Barrett
 Dr. Dobbs N p46 l Astronomy Application For PET Forth by John P Oliver
 Elec. Elec. My p72 a Don't Spare the Computer Time. Keep Your Bowling Records with this Prog. by Larry Friedman

Elec. Elec. N p32 a Figure Out the Best Bank for Your Dollars With this Program by Larry Friedman
 Interf. Age Ja p150 a Computer(ese) Speech Writer by Ashok Nagrani
 Interf. Age Ja p158 a Tax Calculation Program by Gary O Young
 Interf. Age Ja p164 a The Tax Man by Gary O Young
 Interf. Age F p68 a LSI-11 Microcomputers in Hospital ICU's by Ed Heesbeen
 Interf. Age F p140 a The Tax Man - Part II by Gary O Young
 Interf. Age Ap p167 a Use Your Computer to Sort Resistors by Lucille A Moody
 Interf. Age Je p94 a Patents, Copyrights and Computers by Leonard Tachner
 Interf. Age Jy p48 a European Interface: Archeology by Hans Drewitz & Roland Hesse
 Interf. Age Jy p56 a Heart Attack: How You Can Predict It and Some Things You Can Do About It by Leo P Biese

Interf. Age Ag p72 a The Computation of Direction by Gene Szymanski
 Interf. Age Ag p96 a Budgeting for Maintenance - The Hidden Iceberg by Wm J Schenker
 Interf. Age Ag p108 a Complete Data Base Management System by Peter Reece
 Interf. Age S p76 a The Automated Dress Pattern for the Apple II (Floppy ROM) by Wm. V R Smith
 Interf. Age O p82 a The 6800 Invades the Darkroom by R B Lang & C J Lang
 Interf. Age O p96 a The Automated Attorney by Matthew Tekulsky
 Interf. Age N p86 a Building and Land Developement Program by W S Chellberg
 Kilobaud Mr p64 a Consumer Computer Inc., the ultimate answer to bill collectors by Joseph Roehrig

Kilobaud Je p84 a Bowling Scores for Dollars by Joe Roehrig
 Kilobaud Jy p26 a Two Hobbies: Model Railroading and Computing by Dana W Zimmerli
 Kilobaud Ag p62 a Two Hobbies: Model Railroading and Computing by Dana W Zimmerli
 Micro F p3 a Employing the KIM-1 Microcomputer as a Timer and Data Logging Module by Marvin L DeJong

Mini Micro My p54 a An Undersea Robot
 PCW Je p24 a Typing Without Tears (Touch typing) by Paul M Jessop
 PCW Jy p62 a Pattern Recognition, The Ultimate Interface by David Hand
 PCW Ag p16 a Getting Into Neighborhood Consultancy, You Have a Computer Use It! by David Francis

Peoples Jy p34 a Computers and Science Museums: A Public Access Model by Bob Kahn
 Peoples S p20 a Computers and Science Museums: A Public Access Model by Bob Kahn
 Peoples S p30 a Computerizing Museum Exhibits by Bruce Burdick
 Per. Comput. Mr p19 a Testing ESP by Computer by David Galef
 Per. Comput. Mr p53 a Measuring Reaction Time with Your Programmable Calculator
 Per. Comput. Ap p71 a Analyzing Astrology by Phillip Isard
 Per. Comput. My p15 a Pattern Recognition by Alan Filipski
 Per. Comput. My p49 a Wall Street Wallop by Herbert Schildt
 Per. Comput. N p49 a Model Rocketry for Computer Hobbyists by G Harry Stine
 Per. Comput. D p48 b Programming for Poets by Richard Conway
 ROM Ja p74 a Microcomputers Help the Deaf-Blind by Frederick M Kruger
 ROM F p22 a Computers Come to Chelsa Or. Generating Mailing Lists for Artists by Thorn Veblen

ROM F p29 a Up and Running AT THE ELECTIONS by Barbara Greenbaum
 ROM Mr p66 a Things Computers Still Can't Do by Hubert L Dreyfus
 Radio Elec. Je p94 a Microprocessor-Based Solar Controller by Dave Corbin
 Spectrum S p30 a Personal Computers for the Entrepreneur by Don Mennie
 73 F p72 a A Secret Weapon for Road Rallies by Bill Welborn
 73 Ap p108 a If You Want To Know Where You Are - loran-C receiver by R W Burhans
 73 My p146 a If You Want To Know Where You Are - loran-C receiver by R W Burhans

ART

| | | | | |
|--------------|----|------|---|------------------------------------------------------------------------|
| Byte | Ap | p178 | a | Serendipitous Circles Explored by Eduardo Kellerman |
| Cr. Comput. | Ja | p30 | a | Blue Wazoo by Jim Pallas |
| Cr. Comput. | Ja | p110 | a | Poetry by Computer / Poetry by People |
| Cr. Comput. | My | p72 | a | Interlocking Shapes, Enterprise in Space |
| Cr. Comput. | My | p84 | a | Creating Computer Art by Russ Walter |
| Cr. Comput. | My | p100 | a | Idols of Computer Art by Robert E Mueller |
| Cr. Comput. | My | p107 | a | Computer Art: Stargate (Tektronix 4051) by Joe Jacobson |
| PCW | N | p13 | a | The Micro Muse (poetry) by Eric Finlay |
| PCW | D | p26 | a | The Micro Muse. Background to Micro-Poetry 2 by Eric Finlay |
| PCW | D | p27 | a | Computers and ART by Brian Reffin Smith |
| Per. Comput. | Ja | p56 | a | The Aesthetic World of the Computer by Robert A Parker |
| Per. Comput. | D | p48 | b | Programming for Poets by Richard Conway |
| ROM | Ja | p8 | a | Missionary Position: The Art of the Computer Screen by Theodor Nelson |
| ROM | F | p8 | a | Missionary Position: More Art of the Computer Screen by Theodor Nelson |
| 73 | N | p32 | a | Electro Sculpture - be a radio Rodin by John L Webster |

BAR CODES

| | | | | |
|-------------|----|------|---|-------------------------------------------------------------------------------|
| Byte | Mr | p14 | l | Backlighting via Photocoy by Clark Jones |
| Byte | My | p92 | a | A Low Cost Light Wand Amplifier by Robin C Moseley |
| Byte | S | p54 | c | Correction for: Light Wand Amplifier (Byte May '78 p92) |
| Byte | O | p162 | a | A Novel Bar Code Reader by Campbell Farnell & Glen Seeds |
| Byte | O | p166 | a | Micro-Scan Corp. Bar Code Scanner by Frederick L Merkowitz |
| Byte | D | p184 | a | A Proposal for a Kitchen Inventory System, (Barcoded Data) by Richard Shuford |
| Cr. Comput. | Ja | p47 | a | Retail Marking Code by Susan Hastings |
| Cr. Comput. | Jy | p26 | a | The Rise and Fall of Bar Codes by Steve North |

BIO RHYTHMS

| | | | | |
|-------------|----|------|---|------------------------------------------------------------------------------|
| CQ | Ap | p24 | a | Selection of Contest Operators Using Biorythm Charts by Prof Emil Heisseluft |
| Calc. Comp. | N | p26 | a | What Day of the Week...? by Douglas E Scott |
| Cr. Comput. | Ja | p74 | a | How Was I Yesterday? or Biorythmic Hindsight by J D Robertson |
| Interf. Age | F | p8 | c | Correction for Biorythms (Interf. Age Oct '77 p138) |
| Kilobaud | F | p24 | a | How Are You Feeling Today? biorythms with your KIM by Larry Woods |
| 73 | Mr | p110 | a | Do Biorythms Really Work? HP-55 program you can use by N Richardson |

BOOKS AND PUBLICATIONS

| | | | | |
|-------------|------|------|---|------------------------------------------------------------------------------------------|
| Byte | S | p6 | e | On Entering Our Fourth Year by Carl Helmers |
| Byte | S | p124 | a | Clubs and Newsletters Directory |
| CQ | D | p97 | a | Index to CQ Vol 34 - 1978 |
| Calc. Comp. | My | p78 | a | Sources of Programs for PET and TRS-80 Computers (List of Newsletters) |
| Comp. Dec. | D | p78 | a | COMPUTER DECISIONS 1978 Annual Index of Articles |
| Comp. Des. | D | p194 | a | Computer Design 5 Year Index 1974-1978 |
| Cr. Comput. | Mr | p64 | a | DATAMAZING, April |
| Cr. Comput. | My | p22 | a | Profile: Radio Shack TRS-80 User's Manual. Applications Programs by Stephen B Gray |
| Cr. Comput. | S | p166 | a | Prospective Externals of the Xanadu Hypertext Network by Theodor Nelson |
| Cr. Comput. | N | p94 | a | Need a Subject Index? Use NEPHIS by Timothy C Craven |
| Dr. Dobbs | F | p21 | l | Bits on Books and a Nip at NIBL by Mike Fern |
| EDN | Mr20 | p115 | a | EDN Article Index, July-December, 1977 |
| EDN | Ag20 | p137 | a | EDN Article Index January-June 1978 |
| Elec. Des. | Ap12 | p124 | a | Electronic Design 1977 Annual Index of Articles |
| Elec. Des. | D 20 | p104 | a | Electronic Design 1978 Annual Index of Articles |
| Ham Radio | D | p130 | a | Ham Radio Cumulative Index: 1969-1978 |
| Interf. Age | Mr | p32 | a | INTERFACE AGE Authors'/Cartoonists' Style Guide |
| Interf. Age | My | p64 | a | Comprehensive Index to Interface Age 1975-1976 on Floppy ROM by W W Turner & W Thames |
| Interf. Age | My | p135 | a | Cumulative Author Index to INTERFACE AGE, December 1975 to December 1977 |
| Interf. Age | Ag | p34 | a | White Collar Computer; Literature by James S White |
| Interf. Age | D | p42 | a | The Mind Revolution: Book List by Merl Miller |
| Interf. Age | D | p54 | a | 1978 Index to Microcomputer Books |
| Kilobaud | O | p90 | a | View from the Far East by Art Becker |
| Kilobaud | D | p120 | a | KILOBAUD 1978 Index |
| Micro | Ag | p43 | a | Classified Index: Micro 1-6 (OCT'77 to Sept '77) |
| Micro | O | p35 | a | 6502 Information Resources by William R Dial |
| PCW | Je | p31 | b | The Best of Byte Vol I |
| PCW | Jy | p70 | a | How to find out through Libraries by Mark O'Connor |

BOOKS AND PUBLICATIONS continued

| | | | | |
|------------|----|------|---|----------------------------------------------------|
| Peoples | Mr | p15 | b | Periodical Guide for Computerists by Eldon Berg |
| Peoples | N | p24 | a | A Bibliography on Computer Chess by Eryk Vershen |
| Pop. Elec. | D | p99 | a | Popular Electronics Index January to December 1978 |
| Spectrum | D | p79 | a | IEEE Spectrum Annual Index 1978 |
| 73 | D | p284 | a | 73 Magazine 1978 Article Index |

BUSINESS APPLICATIONS: GENERAL

| | | | | |
|----------------|----|------|---|-------------------------------------------------------------------------------------------------|
| Calc. Comp. F | | p88 | a | MECC Listing for APPLE Selling Program |
| Calc. Comp. Mr | | p53 | a | Listing for PLANT Selling Program (Simulation of Plant Selling Business) |
| Comp. Dec. F | | p42 | a | Computerizing a Small Business? by Peter N Budzilovich |
| Comp. Dec. O | | p58 | a | Selecting Software for the Business Mini by Donald R Shaw |
| Cr. Comput. Mr | | p6 | e | Business Computers by Stephen Gray |
| Cr. Comput. My | | p80 | b | Data Processing for Business by Gerald Silver & Joan Silver |
| Cr. Comput. My | | p108 | a | BASIC Financial Behaviorism or First Steps Toward a Real Budget by Dennis J McGuire |
| Cr. Comput. Jy | | p119 | a | Word Processing: The Office of the Future is With Us Today by John B Hayes |
| Cr. Comput. S | | p72 | b | Books on Business Games and Simulation Techniques |
| Cr. Comput. S | | p78 | a | Real World Games (Management Decisions) by Robert D Chadbourne |
| Cr. Comput. S | | p121 | a | Evaluating Stock Options or How to Lose it a Little Slower by Allen C Hagelberg |
| Cr. Comput. N | | p49 | b | Small Computer Systems for Business by Gerald A Silver |
| Elem. Elec. N | | p32 | a | Figure Out the Best Bank for Your Dollars With this Program by Larry Friedman |
| Interf. Age Ja | | p26 | a | White Collar Computer by James S White |
| Interf. Age Ja | | p32 | a | The Jurisprudent Computerist; Subchapter S by Elliot MacLennan & Stephen Murtha |
| Interf. Age F | | p34 | a | White Collar Microcomputer (Hardware) by James S White |
| Interf. Age Mr | | p24 | a | White Collar Computer (Hardware) by James S White |
| Interf. Age Mr | | p40 | a | The Jurisprudent Computerist; Subchapter C Corporations by Elliot MacLennan & Stephen Murtha |
| Interf. Age Ap | | p85 | a | Robots in Manufacturing by Ashok K Nagrani |
| Interf. Age Ap | | p92 | a | Designing A Small Business Computer System by William L Colsher |
| Interf. Age My | | p29 | a | White Collar Computer; Planning Your Computer System by James S White |
| Interf. Age My | | p38 | a | Jurisprudent Computerist: Subchapter C Corporations by Elliot MacLennan & Stephen Murtha |
| Interf. Age My | | p56 | a | A Full Function Mailing List System on Floppy ROM by John M Billing |
| Interf. Age My | | p88 | a | Consideration for Computer Implementation in A Small Business Part I by Roger Williams |
| Interf. Age Je | | p26 | a | Jurisprudent Computerist; Setting up an Business by Elliot MacLennan |
| Interf. Age Je | | p82 | a | Considerations for Computer Implementation in A Small Business Part II by Roger Williams |
| Interf. Age Je | | p102 | a | Using the Heathkit H8 System in Home, and Business Applications by Richard S Arnold |
| Interf. Age Jy | | p31 | a | White Collar Computer; Small Computers in Large Organizations by James S White |
| Interf. Age Jy | | p50 | a | Tandy Enters Small Business Market in Big Way (Tandy 10) |
| Interf. Age Jy | | p90 | a | Computer Implementation In A Small Business; Selecting Computer Hardware by Roger Williams |
| Interf. Age Ag | | p34 | a | White Collar Computer; Literature by James S White |
| Interf. Age Ag | | p83 | a | Computer Implementation in A Small Business: Software Selection by Roger Williams |
| Interf. Age O | | p34 | a | White Collar Microcomputer: Planning Hardware by James S White |
| Interf. Age O | | p90 | a | Business Editorial: Business Microcomputers: Fraud or Reality by Rodney Zaks |
| Interf. Age O | | p92 | a | Overview of A Business Computer System by James W Kitzmiller |
| Interf. Age O | | p96 | a | The Automated Attorney by Matthew Tekulsky |
| Interf. Age N | | p32 | a | White Collar Microcomputer by James S White |
| Interf. Age D | | p36 | a | Business Software Review: Selecting Business Application Programs by Paul C Anderson |
| Interf. Age D | | p77 | a | Business Editorial: Why is there so little GOOD Business Software by Keith Parsons |
| Kilobaud | Ja | p22 | a | Business Applications; a system for the professional by Robert C Brehm |
| Kilobaud | Mr | p74 | a | Back-up Techniques how fail-safe is your system? by William L Colsher |
| Kilobaud | Mr | p76 | a | Small Business Software Part 2:file maintenance & active transactions by Laurence A McCaig |
| Kilobaud | Ap | p46 | a | The Coming Tragedy: Poorly Designed Small-Business Systems by Robert M Luby |
| Kilobaud | My | p36 | a | Trials and Tribulations, one businessman's micro blues by J Tom Badgett |
| Kilobaud | Jy | p108 | a | Retail Pricing System by Phil Hughes |
| Kilobaud | S | p32 | a | At Last: A Client Timekeeping System by Bill Welborn |
| Kilobaud | N | p46 | a | Point of Sale/Inventory Control System for 8080s by Bruce A Barker |

BUSINESS APPLICATIONS: GENERAL continued

| | | | | |
|----------------|----|-----|---|----------------------------------------------------------------------------------------|
| Kilobaud | D | p80 | a | The Ups and Downs of Business by Jim Wright |
| Mini Micro | Mr | p60 | a | Product Profile: Small Business Computers by Malcolm L Stiefel |
| Mini Micro | Mr | p79 | a | Computerising the Pet Shop, Dry Cleaners & the Doctors Office by Michael Levy |
| Mini Micro | Mr | p84 | a | The Very Low-End Business Computer by Carl D Warren |
| PCW | Je | p36 | a | A Very Small Business System? by Martin Collis |
| PCW | Je | p38 | a | PCW Case Study (Business System Experience) by Boris Sedacca |
| PCW | Jy | p32 | a | Do-It-Yourself Micros for Companies by Richard R Waller |
| PCW | Ag | p16 | a | Getting Into Neighborhood Consultancy. You Have a Computer Use It! by David Francis |
| PCW | O | p48 | a | PCW Small Business Case Study by Boris Sedacca |
| PCW | N | p31 | a | Using A Small Computer by P M Steele |
| PCW | D | p38 | a | Hints for the Business Beginner, How to chose a small business system |
| Per. Comput.Ja | | p41 | a | What Should You Charge For Computer Services by Elizabeth M Hughes |
| Per. Comput.Ja | | p61 | a | Linear Programming: What's that? by Paul Whittington |
| Per. Comput.Je | | p28 | a | Contract Fulfillment by Sam Newhouse |
| Per. Comput.Je | | p39 | a | Printing Contract Forms by Charles A Matz |
| Per. Comput.Jy | | p17 | a | Small Business Systems; To buy or not to buy: is that the question? by David Price |
| Per. Comput.Ag | | p42 | a | Keeping Tabs on Contract Labor Costs by Karen S Wolfe |
| Per. Comput.N | | p42 | a | Investment Analysis by William Lappen |
| Pop. Elec. Ag | | p53 | a | Personal Computers for Small Business Applications by Portia Isaacson |
| ROM | Ja | p20 | a | The Human Factor: Why Not Do It by Hand? by Andrew Singer |

BUSINESS APPLICATIONS: ACCOUNTING

| | | | |
|----------------|------|---|------------------------------------------------------------------------------------------------------------|
| Cr. Comput. Mr | p100 | a | Inventory Control Overview: The Micro-Princess and The Inventory Beast by Michael R Levy |
| Cr. Comput. Mr | p103 | a | Inventory Control: Micros Unlimited (Computerland) by Ken Greene |
| Cr. Comput. Mr | p106 | a | Inventory Control: PolyMorphic Systems by Don Williams |
| Cr. Comput. Mr | p111 | a | Inventory Control: AIM (Automatic Inv. Management Sys. from Comp Mart NJ) by Tom Cirillo |
| Cr. Comput. Mr | p116 | a | Inventory Control: Scientific Research Inst. |
| Cr. Comput. Mr | p122 | a | Inventory Control: Altair Software Distribution Co. |
| Cr. Comput. My | p119 | a | Payroll Overview: Micros "Meet the Payroll" by Gene Murrow |
| Cr. Comput. My | p121 | a | Payroll: Osborne & Associates by Mary Borchers & Lon Poole |
| Cr. Comput. My | p124 | a | Payroll: Radio Shack by Stephen B Gray |
| Cr. Comput. My | p126 | a | Payroll: MITS |
| Cr. Comput. My | p128 | a | Payroll: Scientific Research Inst. |
| Cr. Comput. S | p125 | a | Accounts Receivable: Scientific Research Inst. |
| Cr. Comput. S | p128 | a | Accounts Receivable: Altair Software Distribution Co. |
| Cr. Comput. S | p130 | a | Accounts Receivable: Arkansas Systems by Dr James K Hendren & B Eugene Jones |
| Cr. Comput. S | p133 | a | Accounts Receivable: Computer Data Systems |
| Cr. Comput. N | p48 | b | Payroll With Cost Accounting-In BASIC by Lon Poole & Mary Borchers |
| Interf. Age Ja | p80 | a | Microbusiness II Medical Accounts Receivable Package by M R Lockwood |
| Interf. Age Ja | p88 | a | The Use of Microcomputers for Business Risk Analysis by Jon R Prescott |
| Interf. Age Ja | p94 | a | How To Buy An Apartment Building by Richard E Michels |
| Interf. Age Ap | p8 | c | Correction For Apartment Building (Interface Age Jan '78) by Owen Carlson |
| Interf. Age Mr | p48 | a | A Financial Analysis Program by Peter M Burke |
| Interf. Age Jy | p153 | b | Financial Analysis & Business Decisions on The Pocket Calculator by Jon M Smith |
| Interf. Age Ag | p77 | a | The Personal Management Program by Carl Townsend |
| Interf. Age Ag | p106 | a | The Automated Accountant by Matthew Tekulsky |
| Interf. Age D | p78 | a | Some Basics of Accounting by James W Kitzmiller |
| Kilobaud F | p34 | a | Inventory, Accounts and Reports Part 1: business-program design by Carl Denver Warren & Thomas Richards |
| Kilobaud F | p38 | a | Small Business Software Part 1: accounts receivable by Laurence A McCaig |
| Kilobaud My | p90 | a | Money Manipulations, keep ahead of those cash-low problems by Ken Barbier |
| Kilobaud Ag | p84 | a | FINANC—A Home/Small Business Financial Package by Les Palenik |
| Kilobaud O | p40 | a | Depreciation Calculations by John Musgrave |
| Per. Comput.Ap | p48 | a | Amortization Schedules, An Easy Way to Start Your Home Computer Business by Bill & Katha Endress |
| Per. Comput.0 | p43 | a | The Computer Checks Into the Balancing Act Part II by O E Dial |
| Per. Comput.0 | p54 | a | "I'll Put You on Hold and Check" Inventory Control by Ray Vukcevich |
| Per. Comput.N | p55 | a | The Computer Checks into the Balancing Act, Part III by O E Dial |

BUSINESS APPLICATIONS: WORD PROCESSING & MAIL LISTS

Cr. Comput. Jy p123 a Word Processing: Technical Systems Consultants

BUSINESS APPLICATIONS: WORD PROCESSING & MAIL LISTS continued

| | |
|----------------|---------------------------------------------------------------------------------------------------------|
| Cr. Comput. Jy | p128 a Word Processing: Info 2000 Corp. by Mike Busch & Ron Raikes |
| Cr. Comput. Jy | p131 a Word Processing: Ohio Scientific |
| Cr. Comput. Jy | p133 a Word Processing: Peachtree/Altair/MITS by John B Hayes |
| Cr. Comput. N | p134 a Solving Those Mail List Problems-Mail List, Billing Program for Business by Donald M Williams |
| Cr. Comput. N | p138 a Mailing List System by Gary O Young |
| Elem. Elec. S | p52 a Keep Your Mailing List Up to Date With This Program by Larry Friedman |
| Interf. Age Ap | p90 a Mail Code Sort and Print Program by Jim Huffman |
| Interf. Age D | p64 a Wordprocessing: A Major Factor in Small Business Computing by Carl Warren |

CALCULATOR: GENERAL

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------------------------------------------------|
| Byte | Ja | p132 | l | Letters about SR51/52 and PC100 combinations |
| Byte | Mr | p133 | l | Rambling Rumors About TI by Webb Simmons |
| Byte | D | p94 | a | Interface Your Computer to a Printing Calculator by Robert H Astmann |
| Calc. Comp. | Ja | p11 | a | List of Articles on Calculators in Education |
| Calc. Comp. | Ja | p61 | a | Calculators for Beginners by Bob Albrecht |
| Calc. Comp. | F | p55 | a | What's Up With Those Calculators in the Classroom? Part 2 by Madeline Giese |
| Calc. Comp. | Mr | p17 | a | Calculators As Recreation by James J. Davidson |
| Calc. Comp. | Mr | p19 | a | Using Calculators for Problem Solving by Jean B Rogers |
| Calc. Comp. | Mr | p63 | a | Effects of Method, Prepractice & Instructional Work on Problem Solving by Dennis M Roberts & Lawrence Fabrey |
| Calc. Comp. | Mr | p79 | a | A Calculator Project for Elementary Function and Statistics Classes by Dr David A Crothamel |
| Calc. Comp. | Mr | p91 | a | Calculators for Beginners by Bob Albrecht |
| Calc. Comp. | Ap | p23 | a | Calculators for Beginners Part 5 by Bob Albrecht |
| Calc. Comp. | Ap | p36 | a | Calculator Arithmetic by David Moursund |
| Calc. Comp. | Ap | p63 | a | A Case for Programmable Calculators by John J Wavrik |
| Calc. Comp. | Ap | p69 | a | Calculator Experiments for Junior High by Frank S Toth |
| Calc. Comp. | Ap | p74 | a | Computational Perf. with Different Calc. Methods & Task Difficulties by Dennis Roberts & Jackie Lerner |
| Calc. Comp. | My | p15 | a | The Calculator Plot by Marina C Krause |
| Calc. Comp. | My | p22 | a | Problem Solving Experiences With a Calculator by Mrs Pauline Davies |
| Calc. Comp. | My | p60 | a | Maximizing Effects of Calculators by Dennis M Roberts, Dennis Seaman & Jackie Lerner |
| Calc. Comp. | My | p69 | a | Calculator Experiments for Junior High (continued) by Frank S Toth |
| Calc. Comp. | My | p87 | a | Calculators for Beginners by Bob Albrecht |
| Calc. Comp. | S | p15 | a | Curriculum Considerations for the Use of the Hand Held Calculator by Gary G Bitter |
| Calc. Comp. | S | p17 | a | Problem Solving Using Calculators by Karen Billings & David Moursund |
| Calc. Comp. | S | p44 | a | Programmable Calculators for Elementary School Students by John J Wavrik |
| Calc. Comp. | N | p9 | a | Short Presentation in "Computer Literacy" Using Programmable Calculators by John J Wavrik |
| Calc. Comp. | N | p53 | a | Programmable Calculators for Elementary Schools by John J Wavrik |
| Comp. Des. | My | p187 | a | Interfacing Calculator Chips to a uC (Preprocessors) by William Moyer |
| Ham Radio | Jy | p40 | m | Keyboard Cleaning on the HP35 Calculator by Leonard H Anderson |

CALCULATOR: SELECTION GUIDES

| | | | | |
|-------------|-----|------|---|-----------------------------------------------------------------------------------------------|
| Byte | Je | p112 | a | The HP-67 and HP-97: Hewlett-Packard's Personal Computers by Craig A Pearce |
| Byte | D | p163 | c | Correction for: The HP-67 and HP-97 (Byte June '78 p 112) by Craig A Pierce |
| Byte | Ag | p64 | a | The Number Crunching Processor (National M457109) by Peter Nelson |
| Calc. Comp. | S | p52 | a | Introduction to the TI-59 Programmable Calculator by Herbert D Peckham & Maurice D Weir |
| Calc. Comp. | N | p32 | a | Calculator Resource Review by Bobby Goodson |
| Calc. Comp. | N | p34 | a | The Calculator Information Center |
| Elec. Des. | Mr1 | p40 | a | FOCUS On Scientific Calculators (selection guide) by Jim McDermott |
| Ham Radio | F | p45 | m | List of RPM Calculators |
| Interf. Age | Jy | p153 | b | Programmable Calculators by Charles J & Roger J Sipli |
| Interf. Age | Ag | p67 | a | Calculator Consideration Survey by John D Hirsch |
| Kilobaud | Ap | p36 | a | Space-Saver System, the TI59 programmable calculator and PC-100A printer by Arthur G Burns |
| Modern Elec | My | p22 | a | How It Works: TI's New Programmable Calculator TI59 by Gerald R Patton |
| Peoples | N | p47 | a | DATAMAN by Bernie DeKoven |

CALCULATOR: PROGRAMS

Byte Ag p10 1 Hidden Gold in the TI-59? by James G Owen

CALCULATOR: PROGRAMS continued

Calc. Comp. Ja p77 a Finding Roots with a Four-Function Calculator by Douglas E Scott

Calc. Comp. Ja p82 a Squares, Square Roots, & the Quadratic Formula by George McCarty

Calc. Comp. Ap p82 l Three SR-56 Programs for Finding Roots with 4 Function Calculators by David W Johnston

Calc. Comp. S p12 c Correction for above: Radius of Sphere & Rate of Interest (Apr '78 p82,83) by David W Johnston

Calc. Comp. S p12 l Program to solve or Mean, Standard Deviation and "Normal Curve" SR-56 by David W Johnston

Calc. Comp. S p72 a A Realistic Model Rocket Program for a Small Programmable Calculator by Robert J Reiland

Calc. Comp. N p42 a Random Numbers & Pocket Calculators by Mark Zimmermann

Comp. Des. Mr p116 a Computer Simulation Program for a Second Generation Handheld Calculator by Ronald Zussman

Comp. Des. Je p122 a Programmable Handheld Calculator Computes D/A Converter Errors SR52 by Paul Prazak

Comp. Des. Ag p93 a Predicting Queue Performance on a Programmable Hand Held Calculator TI59 by Ronald Zussman

Dig. Design Ja p22 a Calculator Program Aids Tape Drive Design

Dr. Dobbs Mr p13 a A KIM Binary Calculator by John Eaton

EDN Mr5 p118 a Program changes SR-56's results to engineering format by Richard A Serra

EDN Je20 p130 a Calculator program designs toroidal inductors TI58/59 by Thomas B Gross

EDN Ag5 p84 a Hardware & Program makes the SR-56 an event counter by Moshe Bram

EDN Ag20 p67 a SR52 program converts binary to decimal by A R Campbell

Electronics Ja6 p177 a SR-52 scales data for accurate drawing by Charles S Gaylord

Electronics Ja19 p127 a HP-67 aids the design of microstrip, strip-line elements by Albert E Hayes

Electronics F 2 p125 a Calculator program analyzes transmission-line problems SR-56 by Jesse L Peters

Electronics Mr30 p109 a SR-52 finds group delay for Cauer filter by Ron McGuire

Electronics My11 p138 a Z-transform program yields sampled-data system response by Willy Albanez

Electronics Je8 p150 a HP-25 finds maneuverability constraints for large cabinets by Robert P Owen

Electronics Je8 p154 m More on the TI58's HIR instruction

Electronics Jy6 p115 a Four-function calculator time long intervals accurately by Steve Newman

Electronics Jy20 p145 a Nyquist-plot routine predicts closed-loop stability limits (HP-25) by Francisco Elices

Electronics S 14 p148 a HP25 finds thyristor's conduction angle, output power by William D Kraengel

Electronics D 7 p152 a HP-67/97 program performs current-mirror analysis by Jim McDaniel

Electronics D 21 p120 a TI59 program convolves functions in time domain by Fred Fish

Elec. Des. Mr1 p54 a Simplify conjugate bilateral matching with programmable calculator by Andrzej B Przedpelski

Elec. Des. Mr1 p64 a Predict noise in digital system with a programmable calculator by A R Campbell

Elec. Des. Mr15 p102 a Multilayer coil design made easy with a prog. calculator by Thomas B Gross

Elec. Des. My10 p120 a Analyze, don't estimate, phase-lock-loop performance with prog. calc. by Andrzej B Przedpelski

Elec. Des. Jy5 p102 a Design one-shot multivibrators on a programmable calculator by Richard A Schwartz

Elec. Des. S 13 p144 a Solve high-frequency impedance matching problems with calculator by Andrzej B Przedpelski

Ham Radio F p40 a Satellite Tracking - Pointing & Range with a Pocket Calculator HP25 by John A Ball

Ham Radio Mr p104 a Numerical Smith Chart Using Hand Held Programmable Calculator HP25 by C R MacCluer

Ham Radio My p34 a Antenna Bridge Calculations using Hand Held Calculator HP25 by Leonard H Anderson

Ham Radio My p45 a Noise Bridge Calculations with TI58/59 Calculators by T J Anderson

Ham Radio My p67 a Calculating Antenna Bearings for Geostationary Satellites by H Paul Shuch

Ham Radio Je p68 a Programming for Automated Satellite Communications with TI Prog. Calc. by Charles F Milazzo

Interf. Age F p161 a Programmable Calculator Modeling of Experimental Data by M Patt, J R A Lemieux & L Fisher

Interf. Age My p8 l Programmable Calculator Modeling of Experimental Data for TI59 by L Fisher, J R A Lemieux & M Patt

Interf. Age Jy p153 b Financial Analysis & Business Decisions on The Pocket Calculator by Jon M Smith

Kilobaud My p16 b Take A Chance with Your Calculator Probability Problems for Calculators by Lennart Rade

Kilobaud Ag p80 a From Base to Base—with Your HP-25 by James W Biglow

PCW Jy p47 a Pseudo Random Number Generator for Programmable Calculators by C Clark

PCW S p24 a Three Novelty Programs for a Pocket Calculator by Derek J Chown

Per. Comput. Mr p53 a Measuring Reaction Time with Your Programmable Calculator

CALCULATOR: PROGRAMS continued

| | | | | |
|-----|----|------|---|-------------------------------------------------------------------------------------------|
| QST | Mr | p23 | a | Locating Geosynchronous Satellites with help from a Pocket Calculator by Bill Johnston |
| 73 | Ja | p32 | a | Negative Numbers On A \$9 Calculator |
| 73 | Mr | p88 | a | Solve Those Parallel Problems - HP-25 programs choose the values by Joseph M Fedock |
| 73 | Ap | p114 | a | The Experimenter's Dream Calculator - \$5 scientific surplus special by Errol D Reid |
| 73 | Ag | p100 | a | The Kalkulating KIM-1 - calculator versatility for any KIM by Dana Lasher |
| 73 | Ag | p106 | a | A No-Cost Digital Clock - use your programmable calculator by Tim Daniel |

CLUBS AND ORGANIZATIONS

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------|
| Byte | S | p124 | a | Clubs and Newsletters Directory |
| Interf. Age | Ja | p51 | a | Sense Line by Sol Libes |
| Interf. Age | Mr | p45 | a | Sense Line: The Homebrew Computer Club by Robert Reiling |
| Interf. Age | Ap | p58 | a | Sense Line: Philadelphia Area Computer Society by Dick Moberg |
| Interf. Age | My | p52 | a | Sense Line: Pomona Valley Computer Club by Al Sutton |
| Interf. Age | Je | p41 | a | Sense Line; The Physicians Microcomputer Club by Dr Gerald M Orosz |
| Interf. Age | Jy | p52 | a | Sense Line: Chesapeake Microcomputer Club by Rich Kuzmack |
| Modern Elec | Ag | p20 | a | Program: Membership list program for clubs, etc. by Carmine W Prestia |
| PCW | My | p50 | a | PCW Open Page: The Amateur Computer Club View by Mike Lord |
| PCW | Je | p64 | a | The Amateur Computer Club View by Mike Lord |
| PCW | Jy | p44 | a | The Amatuer Computer Club View by Mike Lord |

CLOCKS

| | | | | |
|-------------|-----|------|---|----------------------------------------------------------------------------------------------------------------------------------|
| Byte | Mr | p46 | c | Correction for Using Interrupts for Real Time Clocks (Byte Nov '77 p53) by William Barncord |
| Byte | Ap | p62 | c | Correction for Real Time Clocks (Byte Nov '77 p 50) by B W Bangerter |
| Byte | Jy | p12 | a | KIMER: A KIM-1 Timer by Robert Baker |
| Byte | O | p156 | c | Timely Comments On KIM (Reference to Byte July '78 p12) by Charles H Parsons |
| Comp. Des. | F | p136 | a | uComputer Interfacing: Characteristics of the 8253 Programmable Timer by Marvin L Delong, J Titus, C Titus, P Rony & D Larsen |
| Comp. Des. | Mr | p134 | a | uComputer Interfacing: A Demo Program for the 8253 Timer by D Larson, P Rony, M DeLong, C Titus & J Titus |
| Comp. Des. | Ag | p112 | a | Interval Timer Serves as a Baud Rate Generator 8253 by John Beaston |
| Comp. Des. | O | p99 | a | Software Control of a uP Based Real Time Clock (1802) by Kaare Karstad |
| Comp. Des. | O | p156 | a | Master Calendar-Clock serves Multiple Minicomputers by Robert A PainKian |
| Comp. Des. | D | p110 | a | Interfacing Fundamentals: An Introduction to Real Time Clocks by C Titus, J Titus, D Larsen & P Rony |
| Cr. Comput. | S | p158 | a | Real Time, The Popcorn Perplex, & Control by Lee Felsenstein |
| EDN | N 5 | p64 | a | Program an M6800 real-time clock by James Schimpf |
| Electronics | Jy | p115 | a | Four-function calculator time long intervals accurately by Steve Newman |
| Interf. Age | Ja | p100 | a | Card of the Month- Canada Systems, Inc. - CL2400 Real Time Clock by Roger Edelson |
| Interf. Age | Ja | p122 | a | Interval Timer Design by Darrel J VanBuer |
| Interf. Age | Ag | p152 | a | Date and Time for the CP/M Disk Operating System by W C Hoffer |
| Kilobaud | Ap | p13 | b | IC Timer Cookbook by Walter C Jung |
| Kilobaud | O | p52 | a | Let Your Computer Wear a Watch by Emerson Brooks |
| Micro | F | p3 | a | Employing the KIM-1 Microcomputer as a Timer and Data Logging Module by Marvin L DeJong |
| Micro | O | p45 | a | A Digital Clock Program for the SYM-1 by Chris Sullivan |
| Peoples | Mr | p48 | a | Measuring Time on the PET and Other Microcomputers by Larry Tealer |
| ROM | Mr | p54 | a | Time Real & Unreal by Sandra Erikson |
| ROM | Mr | p58 | a | The Absolute Time Clock by Lee Felsenstein |
| Radio Elec. | S | p74 | a | The 8253 Programmable Interface Timer IC by M DeJong, C Titus, J Titus, D Larsen & P Rony |
| 73 | Ja | p102 | a | The Bionic Clock! |
| 73 | Ag | p106 | a | A No-Cost Digital Clock - use your programmable calculator by Tim Daniel |
| 73 | Ag | p176 | a | The "Do It All" Digital Clock - it's even programmable by Fred Blechman |

COMMUNICATION

| | | | | |
|-------------|---|------|---|---------------------------------------------------------------------------------------|
| Byte | F | p80 | a | Personal Computers in a Distributed Communications Network by Jeff Steinwedel |
| Byte | N | p48 | a | The Sky's the Limit; Using Ham Bands for Intercomputer Communication by Joe Kasser |
| Byte | N | p120 | a | A Multiuser Data Network; Communicating Over VHF Radio by Robert E Bruninga |
| Elem. Elec. | S | p73 | a | Microcomputers are causing a revolution in radiopo by Norman Meyers |

COMMUNICATION continued

Interf. Age S p82 a Are You Ready for Telephone Networking? by Tim Ryan
Peoples N p52 b Telephone Accessories You Can Build by Jules H Gilder
Per. Comput.Ap p82 a Relief for Tired Letter Carriers. ELECTRONIC MAIL by H Paris Burstyn

CONSTRUCTION

| | | | | |
|--------------|------|------|---|-----------------------------------------------------------------------------------------------------------------------------|
| QQ | Ja | p24 | a | A Contact Printer for PC Boards & Photographic Film by Bill Johnston |
| QQ | Mr | p32 | a | Easy PC Board Fabrication Using Address Labels by Adrian Weiss |
| Cr. Comput. | S | p158 | a | Real Time. The Popcorn Perplex, & Control by Lee Felsenstein |
| Dig. Design | O | p70 | a | New uP Packaging Options by Carol A Ogdin & Robert Cobaugh |
| Electronics | O 12 | p111 | a | Getting rid of hook: the hidden pc-board capacitance by Bill Mark, Wallace Doeling, Thomas Tadewald & Paul Reichenbacher |
| Elem. Elec. | Jy | p62 | a | Love That Lettering, Press-on-Decals by Randall Kirschman |
| Ham Radio | N | p26 | a | Printed Circuit Layout Using the Longhand Method by John A Burton |
| Kilobaud | Ap | p24 | a | Make Your Own PC Boards start with a universal wire wrap board by George Young & Bob Grater |
| Kilobaud | Je | p18 | l | PC Board Makers, Take Note (see above) by Jim Warner |
| Kilobaud | Jy | p50 | a | Build It, Tear It Down! Heath's ET-3300 Breadboard by Gary Sabot |
| Kilobaud | N | p100 | a | Home Brewing in Style by Jay Kuca |
| Modern Elec | Jy | p63 | a | How to Handle CMOS Integrated Circuits by Judy Curtis |
| PCW | My | p19 | a | How Not To Crumb Up Your Breadboard by A T Richter |
| PCW | Je | p14 | a | The Compleat Kit Builder by Jeff Lynch |
| PCW | Ag | p23 | a | A Computer or a Kit? by Michael James |
| Per. Comput. | S | p73 | a | Tooling Around with your Micro by Chip A Tyeti |
| Pop. Elec. | F | p46 | a | NOW, Transfer Printed PC Patterns with no Camera or Chemicals! by G D Fisher |
| Pop. Elec. | Ag | p23 | a | Solid State Components Chart |
| Pop. Elec. | S | p50 | a | How to Design PC Boards From a Schematic by James Barbarello |
| Pop. Elec. | O | p62 | a | Designing Circuits for WORST CASE Operation by Steven L Cheairs |
| ROM | Ja | p87 | a | First-Timer's Guide to Circuit Board Etching by Thorn Veblen |
| Radio Elec. | Ap | p67 | a | Make Your Own Custom Hardware by James E Temple |
| Radio Elec. | Je | p73 | a | Roundup: Cases and Cabinets For Your Projects |
| Radio Elec. | O | p45 | a | Roundup: Cases And Cabinets For Your Projects |
| Radio Elec. | O | p74 | a | Build This Modular System for Quick Prototyping by James E Temple |
| 73 | Ja | p78 | a | Cool It! |
| 73 | Ja | p168 | a | P C Techniques |
| 73 | Ja | p92 | a | Practical Computer Projects by Mickle |
| 73 | My | p156 | a | De-Zap Strap - so you can MOS around by A A Wicks |
| 73 | S | p220 | a | Build the IC Experimenter - getting started with TTL and CMOS by Mark Leonard |
| 73 | O | p74 | a | Building From Magazine Articles - the breadboard/wire-wrap way by Rod Hallen |
| 73 | D | p270 | a | PCs Are Easy --step by step details by Brian E McArthur |

CONTROLLERS

| | | | | |
|-------------|------|------|---|------------------------------------------------------------------------------------------------------------------|
| Byte | F | p35 | a | Taking the First Step (Stepper Motors) by Robert E Bober |
| Byte | Mr | p174 | a | Controlling the Real World by Hank Olson |
| Byte | Ap | p114 | a | Tune In and Turn On Part 1: A Computerized Wireless AC Control System by Steve Ciarcia |
| Byte | My | p97 | a | Tune In and Turn On, Part 2: An AC Wireless Remote Control System by Steve Ciarcia |
| Byte | Je | p153 | a | A Theatrical Lighting Graphics Package by William Hemsath, James Seawright, Emmanuel Ghent & Mimi Garrard |
| Byte | Je | p166 | a | Audio Processing with a Microprocessor; Adding a Virtual Tape Loop by Tom O'Haver |
| Byte | Jy | p72 | a | Controlling DC Motors by Robert L Walton |
| Byte | N | p76 | a | A Computer Controlled Stepper Motor Light Scanner by Steve Ciarcia |
| Byte | N | p112 | a | A Classroom Demonstration; Controlling a System with a Microcomputer by Garnet L Hill |
| Comp. Des. | F | p120 | a | Small Stepping Motors Meet Varied Application Requirements by William Riggs |
| Comp. Des. | S | p140 | a | Interfacing Fundamentals: An Application of the 8085 by P Rony, D Larsen, C Titus & J Titus |
| Comp. Des. | O | p164 | a | Interfacing Fundamentals: The Application of the 8085 Processor Part 2 by J Titus, C Titus, P Rony & D Larsen |
| Cr. Comput. | Jy | p40 | a | Interface with AC Remote Control by Debbie Pace |
| Cr. Comput. | Jy | p45 | a | The Real World Connection: AC and DC Power Controllers by Neil Dvorak |
| Electronics | N 23 | p127 | a | Second-generation microcontrollers take on dedicated function tasks by John Beaston |
| Interf. Age | Je | p51 | a | The Microcomputer A Revolution in Automatic Control by N C Persson |
| Kilobaud | Ja | p122 | c | Correction for AC-30 Control Decoder (Kilobaud Sept '77) by Phil Hughes |

CONTROLLERS continued

| | | | | |
|------------|----|------|---|------------------------------------------------------------------------------------------------------------|
| Kilobaud | Ap | p118 | a | Get a Watchdog, to monitor those real-time operations by Dave Brickner |
| Kilobaud | D | p88 | a | BASIC Control of Servomechanisms by Gary Sabot |
| Pop. Elec. | Ja | p60 | a | Using Existing House Wiring for Computer Remote Control Part 2 by Dan Sokol, Gary Muhonen & Joel Miller |
| Pop. Elec. | F | p74 | a | Using Existing House Wiring for Computer Remote Control Part 3 by Dan Sokol, Gary Muhonen & Joel Miller |
| Pop. Elec. | Ag | p83 | a | Computer Bits: Direct-Wire Remote Control by Leslie Solomon |

CONVERSION, CODE

| | | | | |
|--------------|----|------|---|-----------------------------------------------------------------------------------------------|
| Comp. Des. | Ag | p103 | a | Code Conversion Techniques for Digital Transmission by S Ghosh |
| Cr. Comput. | Jy | p102 | a | Coding Computer Development by Frederick W Chesson |
| Cr. Comput. | Jy | p114 | b | The Standard Data Encryption Algorithm by Harry Katzan |
| Cr. Comput. | S | p168 | a | Cryptic Computer: Transposition Ciphers by Frederick W Chesson |
| Kilobaud | Je | p80 | a | ASCII to Baudot...er...Murray (the Hard Way) by John A Lehman & Ray Graham |
| Per. Comput. | Ja | p76 | a | CLOAK and DAGGER with your personal computer by Timothy Purinton |
| Per. Comput. | Ag | p75 | a | Secrecy and Your Personal Computer by Stephen Smith |
| ROM | Ja | p30 | a | The Code That Can't be Cracked by Eben Ostby |
| ROM | Ja | p98 | a | Cryptic Computer: Computers and Cryptography by Frederick W Chesson |
| ROM | F | p94 | a | Cryptic Computer: Computer Cryptography. Cipher Anatomy by Frederick W Chesson |
| ROM | Mr | p92 | a | World War II's Legacy to Digital Techniques by Frederick W Chesson |
| 73 | Mr | p96 | a | Another Approach to the ASCII/Baudot Headache - Model 15 to SWTP system by Garry O Caudell |

CONVERSION, NUMBER BASE

| | | | | |
|------------|------|------|---|----------------------------------------------------------------------------------------|
| Comp. Des. | D | p94 | a | BCD/Binary Conversion with Single IC Cell by M G Phadnis & D G Joshi |
| EDN | Ag20 | p67 | a | SR52 program converts binary to decimal by A R Campbell |
| EDN | O 20 | p82 | a | Z80 routine converts Gray code to binary by Donald J Zanolia |
| EDN | O 20 | p150 | a | Two IC's convert BCD code by Ladimer S Nagurney |
| Elec. Des. | Ja18 | p86 | a | It's time to convert to complex-BCD by Spyros G Varsos & Howard Taylor |
| Elec. Des. | D 6 | p116 | a | Change 7 segment data to BCD with dedicated, single chip converter by Gerald Buurma |
| Kilobaud | Ag | p80 | a | From Base to Base—with Your HP-25 by James W Biglow |
| Kilobaud | N | p67 | a | Universal Number Converter by Easton Beymer |
| Micro | O | p31 | a | Apple Calls and Hex-Decimal Conversion by Marc Schwartz |
| Micro | O | p49 | a | KIMBASE by Barry Tepperman |
| 73 | My | p110 | a | Hex Converter For True-Blue Octalists - BASIC program by Irwin Doliner |

DEBUG

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------|
| Byte | Ja | p162 | a | Notes on Bringing Up a Microcomputer by Sol Libes |
| Byte | F | p6 | a | A Penny Pinching Address State Analyzer by Steve Ciarcia |
| Byte | F | p162 | a | Programming Entomology by Gary McGath |
| Byte | O | p12 | a | A Memory Sensitivity Test by Don Kinzer |
| Comp. Dec. | Ag | p53 | a | The dp environment, The Trouble With Static by Edward Paley |
| Comp. Des. | N | p99 | a | Breakpoint Design for Debugging uProcessor Software by T P Hughes & D H Swain |
| Dig. Design | F | p56 | a | Troubleshooting Microprocessor-Based Systems by Tom Clark |
| Dr. Dobbs | S | p33 | a | A Programmable IC Tester for KIM by Joel Swank |
| EDN | F 5 | p23 | a | Comparator aids uP debugging by Ralph Tenny |
| EDN | Mr5 | p33 | a | Software logic analyzer hunts bugs cheaply by Robert Grappel |
| EDN | My20 | p105 | a | Glitches can turn your "simple" interface task into a nightmare by John Conway |
| EDN | My20 | p155 | a | Homegrown debug software can hone your design skills by Robert Cushman |
| EDN | Ag5 | p58 | a | Interactively intelligent systems require an extra effort by Robert Cushman |
| EDN | Ag20 | p123 | a | Simplified glitch explanations can hide key design complexities by Walt Patstone |
| EDN | S 5 | p153 | a | Save both time and money debugging a uP prototype board by Michael Zyla |
| Interf. Age | Ag | p96 | a | Budgeting for Maintenance - The Hidden Iceberg by Wm J Schenker |
| Interf. Age | N | p140 | a | Beep-A-Bug (Program) by Donald Fitchhorn |
| Kilobaud | Ap | p64 | a | Memory Debugging, which chip is it? by Albert Brunelli |
| Kilobaud | My | p42 | a | Writing Diagnostic Routines, while your machine is running by Robert Baker |
| Kilobaud | Jy | p9 | a | Trouble Shooters' Corner by Ralph Wells |
| Kilobaud | Ag | p6 | a | Troubleshooters' Corner: Some Fundamentals of Troubleshooting by Ralph Wells |
| Kilobaud | Ag | p40 | a | Software Debugging for Beginners by John Leslie |
| Kilobaud | S | p10 | a | Troubleshooters' Corner: Glitches by Ralph Wells |
| Kilobaud | S | p40 | a | Troubleshooter's Guide by Ralph Tenny |
| Kilobaud | O | p18 | a | Troubleshooters' Corner: Defining the Problem by Ralph Wells |
| Micro | O | p5 | a | Breaker: An Apple II Debugging Aid by Rick Auricchio |

DEBUG continued

| | | | | |
|-----------------|----|-----|---|-------------------------------------------------------------------------------|
| PCW | Jy | p52 | a | 8080 Debug Routine by Margaret Berg |
| PCW | D | p24 | a | Byte Basher's Life Saver by Brian Hewart |
| Per. Comput. Ap | | p22 | a | Debugging your Software: Program Testing by Robert T Nicholson |
| Radio Elec. N | | p41 | a | How To Troubleshoot Digital Circuits by L Steven Cheairs |
| 73 | Mr | p52 | a | Exorcising Power Supply Demons-what to do when Murphy visits by Joseph J Carr |
| 73 | Ap | p84 | a | The exterminator - for buggy KIMs by Dana Lasher |
| 73 | N | p78 | a | The Chip Switch -a digital troubleshooting triumph by Ron Richards |

DEFINITIONS

| | | | | |
|----------------|----|------|---|------------------------------------------------------------------------------|
| Byte | Ja | p160 | b | Standard Dictionary of Computers and Information Processing by Martin H Weik |
| Byte | F | p19 | a | Complete ASCII by David M Ciemiewicz |
| Cr. Comput. N | | p50 | b | Microcomputers At A Glance by Donald Spencer |
| Kilobaud | Ja | p118 | a | GLOSSARY (acronyms) by Rich Didday |
| PCW | Jy | p68 | a | Buzzwords by Barry G Woppard |
| PCW | S | p60 | a | Buzzwords by Peter Reynolds |
| PCW | O | p60 | a | Buzzwords by Peter Reynolds |
| PCW | N | p54 | a | Buzzwords by Peter Reynolds |
| Per. Comput. F | | p55 | a | Beginner's Guide to Computer Jargon by John T Shen |
| Per. Comput. N | | p56 | a | Acronym Glossary by Dave Powell |
| Pop. Elec. Ag | | p23 | a | Solid State Components Chart |
| Radio Elec. N | | p45 | a | Digital Reference Charts |

DIGITAL HARDWARE & CIRCUITS

| | | | | |
|------------------|-----|------|---|-------------------------------------------------------------------------------------------------|
| Byte | Mr | p185 | a | Get On at the Right Address (Bootstrap for the 8080) by Frank S Holman |
| Byte | My | p79 | a | A Programmable Character Generator Part 1: Hardware by Larry Weinstein |
| Byte | My | p160 | b | Digital Computer Electronics by Albert Paul Malvino |
| Byte | Ag | p64 | a | The Number Crunching Processor (National M457109) by Peter Nelson |
| Byte | D | p128 | a | Clockless Multiplication and Division by Mike Weed |
| Comp. Des. Je | | p130 | a | Exclusive-OR Frequency Multiplier |
| Comp. Des. Je | | p162 | a | Integrated Injection Logic - A Technology Status Report by Eric R Garen |
| Comp. Des. N | | p109 | a | Simple Hardware Approach to Error Detection & Correction by Richard C Montgomery |
| EDN | Ja5 | p90 | a | Extend uP/uC bus "time" simply and inexpensively by Peter Alfke |
| EDN | My5 | p39 | a | Reset your CPU from your TTY's Break key by Cal Sondgeroth |
| EDN | Je5 | p110 | a | Give bipolar uP's interrupts with minimum difficulty by L S Lockler |
| EDN | O 5 | p146 | a | Hardware jump alters reset condition by Pierre Elie |
| Electronics Ap27 | | p126 | a | PROM adds bootstrap loader to Intellic-8 development system by Bernard Boule' & Simon Gagne' |
| Electronics Ag17 | | p120 | a | 9900 simplifies design of bidirectional I/O module by Henry Davis |
| Electronics S 28 | | p148 | a | Small interface simplifies processor interrupt routine (SC/MP) by Robert Shanafelt |
| Electronics N 9 | | p134 | a | Uniting number generators for long bit patterns by Leonard H Anderson |
| Electronics N 23 | | p147 | a | One-button controller issues step, run and halt commands by Robert Dougherty |
| Electronics D 7 | | p151 | a | Single-wire pair multiplexes power and data for display by Tommy N Tyler |
| Elec. Des. Ap26 | | p140 | a | Microprocessor talks to 'dumb' peripherals with minimal address space by M S Rogers |
| Elec. Des. S 13 | | p148 | a | Debounce with inverters or logic gates and out go the pull up resistors by Bob Cohn |
| Interf. Age Mr | | p148 | b | Semiconductor Circuit Elements by T D Towers & S Libes |
| Interf. Age My | | p133 | b | Home Computers 2E10 Questions and Answers Volume 1: Hardware by Rich Didday |
| Interf. Age Ag | | p116 | a | Circuit Analysis (Program) by Tim Gates |
| Kilobaud Ja | | p14 | b | Digital Experiments by Richard E Gasperini |
| Kilobaud O | | p94 | a | Use That Parity Line! When 128 ASCII Characters aren't enough by Sid Owen |
| Modern Elec Ag | | p88 | a | How to use IC timers by Joseph J Carr |
| 73 Ap | | p120 | a | Is TTL Already Obsolete? - CMOS vs TTL by William E Browning |
| 73 Ap | | p158 | a | Schottky: A New IC Generation - runs significantly cooler by Gary McClellan |
| 73 My | | p111 | a | The Cheaper Beeper - "Bell" for your CRT RTTY or uP by Michael Black |
| 73 Je | | p114 | a | Morrow's Marvelous Monitor - reviewing the Morrow front panel by Steve Eigsti |
| 73 S | | p94 | a | How Do You Use ICs? - part X by Alexander MacLean |
| 73 S | | p220 | a | Build the IC Experimenter - getting started with TTL and CMOS by Mark Leonard |
| 73 O | | p161 | a | Computers and the Real World - practical D/A and A/D conversion by Kenneth D Tentarelli |
| 73 N | | p60 | a | 555 Basics - And More! -get to know this versatile IC by David Keeler |

DISPLAYS: 7-SEGMENT ETC.

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------|
| Byte | D | p32 | a | Build an Octal/Hexadecimal Output Display by Steve Ciarcia |
| EDN | F 5 | p26 | a | Numeric and alphanumeric displays by Earle Dilatash |
| EDN | Ap20 | p35 | a | Recirculating display saves software by Ralph Tenny |
| EDN | N 5 | p101 | a | The whys, whats and hows of multiplexing LCD's by John Van Dohlen |
| Electronics | My11 | p125 | a | One chip controls keyboard and display by Lorne Trottier & Branko Matic |
| Electronics | My25 | p113 | a | Multiplexing Liquid-Crystal Displays by Paul Smith |
| Electronics | S 28 | p130 | a | IC driver simplifies gas-discharge bar-graph display by Robert Marshall |
| Electronics | D 7 | p137 | a | Microprocessor makes alphanumeric display smart by William Otsuka |
| Interf. Age | F | p96 | a | A Keyboard/Display Interface Peripheral on a Chip (8279) by Larry Grim |
| Interf. Age | S | p111 | a | Cutting the Cost of Displays by R O Whitaker |
| Interf. Age | D | p46 | a | The Inventor's Scratchpad: Flat Display by Roger Garrett |
| Kilobaud | Ap | p104 | a | Displaying Hexadecimal and other related ideas by Dave Maciorowski |
| QST | Mr | p11 | a | How Visual Displays Work by Patrick Dreher |
| Spectrum | Jy | p26 | a | Flat Panel Displays: A Critique by Lawrence Tannas & Walter Goede |
| 73 | N | p148 | a | A Hex on Your 8223 --space-saving magic by Neil Schneider |

EDUCATION

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------------------------------------------|
| Byte | Mr | p168 | a | Take a Course in Microprogramming by Richard Mac Millan |
| Byte | Mr | p170 | a | Programming Quickies: The Capital of New Mexico is Santa Fe (BASIC) by Loring C White |
| Byte | Ap | p90 | a | A College Microcomputer Facility by Bill Foster & Bob Southern |
| Byte | Je | p119 | b | Motorola 6800 Microprocessor Course by Motorola Semiconductor |
| Byte | Je | p138 | a | Notes on Teaching with Microcomputers by Dr William H Norton |
| Byte | N | p90 | a | Computer Assisted Instruction on a Microcomputer by Melvin Davidson, George A Gerhold & Larry Kheriaty |
| Byte | N | p112 | a | A Classroom Demonstration; Controlling a System with a Microcomputer by Garnet L Hill |
| Byte | N | p158 | a | Product Description: Heath Microprocessor Training System by W N Hubin |
| Byte | D | p124 | a | Teaching with a Microcomputer by Prof George A Gerhold |
| Calc. Comp. | Ja | p6 | a | Karen's Program (Checks Math Homework) by Karen Schreiber |
| Calc. Comp. | Ja | p11 | a | List of Articles on Calculators in Education |
| Calc. Comp. | Ja | p15 | a | When Does a Fraction Yield a Terminating Decimal? (Calculator) by Rick Billstein & Johnny W Lott |
| Calc. Comp. | Ja | p21 | a | Microcomputers and Video Disc Systems: Magic Lamps for Educators? by Ludwig Braun |
| Calc. Comp. | Ja | p26 | a | Stepcounter by Marina C Krause |
| Calc. Comp. | Ja | p29 | a | Finding the Klingon in Your Calculator by John J Wavrik |
| Calc. Comp. | Ja | p34 | a | Techniques for Teaching BASIC to Beginners by LeRoy Finkel |
| Calc. Comp. | Ja | p42 | a | 5 to 9 year old Computer Programmers by Iris Helman |
| Calc. Comp. | Ja | p67 | a | What's Up With Those Calculators in the Classroom? by Madeline Giese |
| Calc. Comp. | F | p15 | a | BASIC for Teachers and Parents by Bob Albrecht & Karl Albrecht |
| Calc. Comp. | F | p27 | a | uComputers and Video Disc Systems: Magic Lamps for Educators? by Ludwig Braun |
| Calc. Comp. | F | p55 | a | What's Up With Those Calculators in the Classroom? Part 2 by Madeline Giese |
| Calc. Comp. | F | p77 | a | A Graphing Drill for CAI by Robert Schenk |
| Calc. Comp. | Mr | p23 | a | Computers for Parents and Teachers (PET) by Bob Albrecht |
| Calc. Comp. | Mr | p36 | a | Techniques for Teaching BASIC to Beginners by LeRoy Finkel |
| Calc. Comp. | Mr | p71 | a | Microcomputers and Video Disc Systems: Magic Lamps for Educators? by Ludwig Braun |
| Calc. Comp. | Mr | p76 | a | The Inside Story About Personal Computers Part 5 by Bob Albrecht |
| Calc. Comp. | Mr | p79 | a | A Calculator Project for Elementary Function and Statistics Classes by Dr David A Crothamel |
| Calc. Comp. | Mr | p87 | a | Microcomputers Put More 'Byte' Into Teaching by Ed Herstein |
| Calc. Comp. | Mr | p91 | a | Calculators for Beginners by Bob Albrecht |
| Calc. Comp. | Ap | p12 | a | Speaking of Animals by Linda M Schreiber |
| Calc. Comp. | Ap | p43 | a | BASIC for Parents and Teachers (Review) by Bob and Karl Albrecht |
| Calc. Comp. | Ap | p60 | a | Play Ball! A Baseball Simulation for Classroom Study by Emeric T Noone |
| Calc. Comp. | Ap | p64 | a | More About Repeating Decimals by Janet Morris |
| Calc. Comp. | Ap | p78 | a | Computer Assisted Learning for the Mentally Retarded by H L Hallworth & Ann Brebner |
| Calc. Comp. | Ap | p90 | a | MECC Listing for LEMONADE Selling Program |
| Calc. Comp. | My | p42 | a | PLUGS. Program generates worksheets of Symmetry Problems by Mac Oglesby |
| Calc. Comp. | My | p48 | a | WANTED: Vocabulary Words by Linda M Schreiber |
| Calc. Comp. | My | p58 | a | Learning Mathematics Through Programming by Douglas W Clark |
| Calc. Comp. | My | p63 | a | BASIC for Parents and Teachers Part 4 by Bob and Karl Albrecht |
| Calc. Comp. | My | p69 | a | Calculator Experiments for Junior High (continued) by Frank S Toth |
| Calc. Comp. | My | p74 | a | Microcomputer Timesharing, Is it for you? by LeRoy Finkel |
| Calc. Comp. | My | p84 | a | Computer Assisted Learning for the Mentally Retarded by H J Hallworth & Ann Brebner |

EDUCATION continued

Calc. Comp. S p15 a Curriculum Considerations for the Use of the Hand Held Calculator by Gary G Bitter

Calc. Comp. S p42 a Hit I'm Your Speak & Spell by Bill Kernahan

Calc. Comp. S p58 a Number Patterns on the TRS-80 by Bob Albrecht

Calc. Comp. S p69 a Introducing Elementary School Children to the Computer by Herbert L Dershem

Calc. Comp. S p75 a A Vocational Computer Operations and Programming Class Using uComputers by Al Stampfli

Calc. Comp. S p76 a French Translation Program (11 year old) by David Bunting

Calc. Comp. S p78 a Myths About Calculators in the Schools by Arthur Kessner & Twila Slesnick

Calc. Comp. S p81 a Computer Literacy Project by Bobby Goodson

Calc. Comp. S p87 a Calculators and Computers: Graphical Addition by Samuel W Spero

Calc. Comp. S p91 a BASIC for Parents and Teachers by Bob Albrecht & Karl Albrecht

Calc. Comp. N p20 a Let's Put The Calculators Where They Belong by Bobby Goodson

Calc. Comp. N p23 a Goals for Computer Education

Calc. Comp. N p30 a What to do About Computers—A Decision for the Schools by George C Cox

Calc. Comp. N p39 a A SURVEY on the Attitude of Schoolchildren on the use of Calc's in Class by Joseph Shin

Calc. Comp. N p53 a Programmable Calculators for Elementary Schools by John J Wavrik

Calc. Comp. N p58 a The TRS-80 as a Classroom Teaching Tool by Samuel W Spero

Cr. Comput. Mr p44 a CAI: Interaction Between Student and Computer by Laura L McLaughlin

Cr. Comput. Mr p52 b Computer Science for Teachers by James L Poirot & David N Groves

Cr. Comput. My p64 a What the Computer Taught Me About My Students by Anne Pasquino

Cr. Comput. Jy p60 a Theorem-Proving with Euclid, Artificial Intelligent CAI (Extended BASIC) by Thomas J Kelanic

Cr. Comput. S p60 a Speak & Spell, Spelling B by Karl L Zinn

Cr. Comput. S p84 a Personal Computers at Univ. of Mich. & An Assessment of Potential Impact by Karl L Zinn

Cr. Comput. S p90 a Computers and Early Learning by Bernard Banet

Cr. Comput. S p96 a A Drop-In Computer Center for High-School Students by Karl Zinn

Cr. Comput. S p102 a Considerations in Buying a Personal Computer by Karl L Zinn

Cr. Comput. N p106 a An Experiment in Teaching Strategic Thinking by J M Brady & R B Emanuel

Interf. Age Ja p148 a My Friend the Computer and Teacher's Guide and Activity Book by Jean Rice

Interf. Age F p42 a Programming the Human Computer: Microcomputer Courses by Merl Miller

Interf. Age S p9 a The Column: Education by Sandra Evans

Interf. Age S p39 a White Collar Computers: Education by James S White

Interf. Age S p62 a Students Learn With Computer Assisted Instruction by Sandra Evans

Interf. Age S p68 a Computers: Worlds of 'If' for Children to Explore by Bill Langenes

Interf. Age S p70 a A Place for Personal Computing in Schools and Colleges by Karl L Zinn

Interf. Age S p130 a On A Bi-Lingual Math Tutoring Program by Marvin Mallon

Kilobaud F p80 a Kid Korner Teaching Preschoolers Letter Discrimination by John Eric Victor

Kilobaud Mr p28 a State Capitals, a new education program for the kids by Dave Alverson

Kilobaud Ap p82 a Kid Korner, Cash Register: a practical math simulation by John Eric Victor

Kilobaud Je p100 a Computers in Classrooms: Teaching the Teachers by Lance Leventhal

PCW My p52 a Do We Want Our Schools to be Personal or Terminal? by Charles Sweeten

PCW Je p58 a Computer In the Classroom: Teaching Packages by Charles Sweeten

PCW S p22 a Do we want our schools to have A Personal Problem? by Mick Coleman

PCW O p22 a Computing in the Primary School by Derrick R Daines

PCW O p62 a Timetabling for Schools by Charles Sweeten

PCW N p37 a Learning Geography With A Computer by John D Lee & Timothy D Lee

PCW D p48 a What Shall We Do In School Today by Charles Sweeten

Peoples Ja p12 a An Educator's Guide to Videodisc Technology by R Kent Wood & Kent G Stephens

Peoples Ja p14 a Video Discs: Magic Lamps for Educators? by Ludwig Braun

Peoples Jy p6 a A Modern-Day Medicine Show by Robert L Albrecht

Peoples Jy p10 a California's Computer Whiz Kids by Suzanne Rodriguez

Peoples Jy p57 b Calculators, Computers & Elementary Education by David Moursund

Peoples S p41 a APPLE Math by John Gaines

Peoples N p35 a A Case for APL in Education by Howard A Peelle

Per. Comput.Ja p30 a Magic for Educators: Microcomputers by Ludwig Braun

Per. Comput.Mr p67 a It's Student & Computer, One on One by Sally Valente Kiester

Per. Comput.My p75 a Math For Minors by Mike Donahue

Per. Comput.S p41 a Classroom Computer by John B Palmer

Per. Comput.S p47 a Tickle My Keys and I'll Teach You Anything by Sondra and Steven Pollini

Per. Comput.S p52 a A Magic Touch; Touch Typing for all by Devin Stumpf

Per. Comput.S p56 a Spelling Bee for a PET by Michael Tulloch

Pop. Elec. Je p48 a Micro-Processor Microcourse Part 4 PIP-2 Educational Microprocessor by Forrest M Mims

Spectrum Ag p29 a A Second Chance for Computer-Aided Instruction by Robert Sugarman

Spectrum S p44 a "What's new, teacher?" Ask the Computer. by Robert Sugarman

EDUCATION continued

73 F p84 a Try HCAI - ham computer assisted instruction by Ed Hughot

EXPERIENCE

| | | | | |
|----------------|------|-----|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Cr. Comput. S | p158 | a | Real Time. The Popcorn Perplex, & Control by Lee Felsenstein | |
| Cr. Comput. N | p130 | a | Microurologically, Of Course by Lee Felsenstein | |
| EDN | Ag5 | p58 | a | Interactively intelligent systems require an extra effort by Robert Cushman |
| Elem. Elec. My | p47 | a | Claudia's Computer, Twelve-year-old Shows Age is No Barrier to Computers by Charlene Knadle | |
| Interf. Age Ag | p106 | a | The Automated Accountant by Matthew Tekulsky | |
| Kilobaud My | p17 | l | From Don Tarbell... Getting a system up by Don Tarbell | |
| Kilobaud My | p36 | a | Trials and Tribulations, one businessman's micro blues by J Tom Badgett | |
| PCW My | p37 | a | The Gingerbread Man's Computer by Colin Chatfield | |
| PCW Jy | p42 | a | I'm A Microcomputer Widow by Linda A Grand | |
| PCW Ag | p23 | a | A Computer or a Kit? by Michael James | |
| PCW O | p17 | a | Something Bit Me by Chris Howland | |
| PCW N | p57 | a | Personal Experience by G D Hayes | |
| Peoples Mr | p45 | a | Computer Contagion or Nightmare in the Submarine Shop by Howie DiBlasi | |
| Per. Comput.Ap | p28 | a | Filet of SQL by Gary Dozier | |
| Per. Comput.Ap | p28 | a | Me And My IMSAI by Joe Roehrig | |
| Per. Comput.Ap | p89 | a | A Computer Project that Failed by Robert L Glass | |
| Per. Comput.S | p28 | a | Techno Turkey and His Electric Selectric by Lloyd R Prentice & Peter Henry | |
| ROM F | p22 | a | Computers Come to Chelsea Or, Generating Mailing Lists for Artists by Thorn Veblen | |
| 73 Mr | p104 | a | Outstanding Computer Bargain Exposed - a novice builds the BYT-8 by Keith R Smith | |
| 73 My | p92 | a | Diary Of A Survivor - cyberosis victim tells all by Kenneth S Widelitz | |
| 73 Jy | p112 | a | Six Said His First Word Today! - and you taught him how by Charles E Thomas | |
| 73 O | p154 | a | Use A Computer? Who, Me? - yes . . . you! by Charlene Babb Knadle | |

FICTION

| | | | | |
|----------------|----|------|---|---------------------------------------------------------------------------------------|
| Byte | D | p186 | a | The Mother Chip by Lawrence F Willard |
| Cr. Comput. Ja | | p106 | a | The Perring Conclusion by Dennis E Delaney |
| Cr. Comput. Ja | | p114 | a | The Big Think by Richard Grant |
| Cr. Comput. Mr | | p124 | a | The April Algorithm or A Life in the Day of a Computer by Leland W Slater |
| Cr. Comput. Mr | | p128 | a | Wimpy's Affair by Bill Kritlow |
| Cr. Comput. Jy | | p68 | a | Encounter by Mark Rowh |
| Cr. Comput. S | | p114 | a | You Can't Think In Two Places At Once by Sam Crowe |
| Interf. Age Je | | p56 | a | A Feasting of Thoughts, A Banquet of Words (Theatre of the Future) by Ray Bradbury |
| Kilobaud | My | p17 | b | Computers, Computers, Computers In Fiction and Verse by D Van Tassel |
| PCW | Je | p28 | a | The Mystery of the Lost Computer by Harry Harrison |
| PCW | Ag | p18 | a | The R.O.M.* Factor *Requires Only Money by J Gregory |
| Peoples | N | p12 | a | All in the MIND by Warwick Slough |
| Per. Comput.Ja | | p55 | a | The Miracle of Babbage Eve by B L Tutt |
| Per. Comput.Ja | | p93 | a | Elegy to a four place slide rule by Harry Shershaw |
| Per. Comput.Ap | | p98 | a | Register Conflict by Dick Dimock |
| Per. Comput.My | | p46 | a | C. P. by Y Knot |
| Per. Comput.Je | | p50 | a | This economic report is brought to you by... by Karen S Wolfe |
| Per. Comput.Jy | | p25 | a | Thunder by Richard J Lutz |
| ROM | F | p68 | a | The Wheelbarrow Thief by Laurence M Janifer |
| ROM | Mr | p87 | a | The Oedipus Transaction by Robert Abel |

FUTURE

| | | | | |
|-------------|----|------|---|---------------------------------------------------------------------------------------|
| Byte | Ap | p6 | e | Personal Computing: New Prospects for Art and Science by Carl Helmers |
| Byte | My | p158 | b | The Dragons of Eden by Carl Sagan |
| Byte | D | p6 | e | New Wonders of the Computer Age by Carl Helmers |
| Cr. Comput. | My | p8 | e | Things To Come by David H Ahl |
| Cr. Comput. | Jy | p108 | a | futuraROMa: One Question, Mr. Spock, Before I Beam Aboard by Bill Etra |
| Cr. Comput. | S | p66 | a | The Future is Here Today by Susan Hastings |
| Cr. Comput. | N | p126 | a | futuraROMa...The Last Laugh? by Bill Etra |
| Elem. Elec. | Mr | p74 | a | Computer Readout: Ways uComputers will Touch Your Everyday Life by Norman Meyers |
| Interf. Age | F | p66 | a | Social Impact of the Computer, An Editorial from "Down Under" by Timothy Mowchanuk |
| Interf. Age | Je | p46 | a | Things To Come by David Ahl |

FUTURE continued

| | | | | |
|-----------------|----|------|---|---------------------------------------------------------------------------------------------|
| Interf. Age | Je | p56 | a | A Feasting of Thoughts, A Banquet of Words (Theatre of the Future) by Ray Bradbury |
| Kilobaud | Je | p64 | a | The Great Computer Conspiracy by Clint H Woeltjen |
| PCW | Je | p8 | a | Power to the People by W V Ringer |
| PCW | Jy | p14 | a | A Day in the Life of a Retail Computer Store CIRCA 1981 by Tim Moore & Andrew Stephenson |
| Peoples | Mr | p8 | a | Microcomputers in 1978 by Adam Osborne |
| Per. Comput. Mr | | p81 | a | Future Computing: Product Ponderings by Russ Walter |
| Per. Comput. My | | p58 | a | Electronic Fund Transfers, A Promise or a Threat? by H Paris Burstin |
| Per. Comput. My | | p127 | a | Big Brother...Sooner than you think? by H Paris Burstin |
| Per. Comput. Je | | p50 | a | This economic report is brought to you by... by Karen S Wolfe |
| Per. Comput. D | | p30 | a | Future Computing: Speak to me clearly... by David Galef |
| ROM | Ja | p58 | a | Home Computers A Look at What's Coming by Jules H Gilder |
| ROM | Ja | p96 | a | futuROMa: The Capitalist Computer by Bill Etra |
| ROM | Mr | p98 | a | The Cat Computer: Scratch, Purr, Fetch Data by Bill Etra |
| Radio Elec. Ag | | p14 | e | A Computer In Every Home-Fact or Fantasy by Art Kleiman |

GAMES: CALCULATOR

| | | | | |
|----------------|----|------|---|---------------------------------------------------------------------------------------------|
| Byte | D | p43 | b | The Pocket Calculator Game Book by Edwin Schlossberg & John Brockman |
| Byte | D | p192 | a | Commander in Chief. A Game or the TI-58 Programmable Calculator by Larry Kollar |
| Calc. Comp. Ja | | p29 | a | Finding the Klingon in Your Calculator by John J Wavrik |
| Calc. Comp. F | | p74 | a | Comments & Notes from Finding The Klingon in Your Calculator by John J Wavrik |
| Calc. Comp. My | | p31 | a | Solitaire Mastermind With Programmable Calculators by David L Dunlop |
| Calc. Comp. S | | p62 | a | Shooting the Klingon in your Calculator by John J Wavrik |
| Calc. Comp. S | | p72 | a | A Realistic Model Rocket Program for a Small Programmable Calculator by Robert J Reiland |
| Cr. Comput. N | | p82 | a | Backgammon Computers. An Ancient War Game Put Into Microprocessors by John Gaines |
| Kilobaud | F | p66 | a | Ready on the Firing Line? "Artillery Practice" for the SR-56 by Kenneth E Wigger |
| Kilobaud | Mr | p106 | a | Tiger Trouble! TI Programmable-Calculator Safari |
| Kilobaud | Je | p19 | c | Correction for Tiger Trouble (Kilobaud March '78 p106) by David P Leising |
| Kilobaud | Je | p68 | a | Cross-Country Balloon Trip, SR-52 game by Mac Oglesby |
| PCW | S | p24 | a | Three Novelty Programs for a Pocket Calculator by Derek J Chown |
| PCW | O | p32 | a | Touchdown, 'Lunar Landing Game for Casio Programmable Calculators' by N Rushton |
| 73 | S | p100 | a | Nuclear Attack! - WWII on your SR-52 by Dan Everhart |

GAMES: CHESS

| | | | | |
|-----------------|----|------|---|------------------------------------------------------------------------------------------------------|
| Byte | Ja | p108 | a | The Second World Computer Chess Championships by Peter R. Jennings |
| Byte | Mr | p166 | a | Microchess 1.5 versus Dark Horse by Peter Jennings |
| Byte | O | p86 | a | First Steps in Computer Chess Programming by Kathe and Dan Spracklen |
| Byte | O | p168 | a | A Computer Chess Tutorial by Norman D Whaland |
| Byte | O | p182 | a | Creating a Chess Player; An Essay on Human & Computer Chess Skill by Peter W Frey & Larry R Atkin |
| Byte | N | p16 | a | An Exchange Evaluator for Computer Chess by Dan and Kathe Spracklen |
| Byte | N | p162 | a | Creating a Chess Player Part 2: Chess 0.5 by Peter W Frey & Larry R Atkin |
| Byte | D | p84 | a | Chess 4.7 versus David Levy; The Computer Beats a Chess Master by J R Douglas |
| Byte | D | p140 | a | Creating a Chess Player Part 3: Chess 0.5 (continued) by Larry R Atkin & Peter W Frey |
| Cr. Comput. My | | p58 | a | Can a Computer Really Play Winning Chess? by David H Ahl |
| Elem. Elec. Jy | | p69 | a | Choose This Tricky Computer for Challenging Chess by Norman Meyers |
| Kilobaud | Ag | p74 | a | KIM + Chess = Microchess by Rick Grossman |
| Kilobaud | D | p74 | a | Attention, Chess Buffs! by Tom Orr |
| PCW | N | p15 | a | PCW Microcomputer Chess Championship by David Levy |
| Peoples | N | p23 | a | Some Guidelines for Microcomputer CHESS by Jim Day |
| Peoples | N | p24 | a | A Bibliography on Computer Chess by Eryk Vershen |
| Per. Comput. Ap | | p103 | a | Computer Chess |
| Per. Comput. My | | p98 | a | Computer Chess |
| Per. Comput. Je | | p87 | a | Computer Chess: Flashes From The Chess Wars |
| Per. Comput. Jy | | p77 | a | Computer Chess Programming by Mike Valenti |
| Per. Comput. S | | p80 | a | Computer Chess: The People Speak Out |
| Per. Comput. O | | p76 | a | Computer Chess: A Roumanian Rhapsody |
| Per. Comput. N | | p17 | a | Computer Chess: Black Box War |
| Per. Comput. D | | p62 | a | Computer Chess: Rumbles from Rumania |

GAMES: CHESS continued

Pop. Elec. D p48 a Build a Computer-vs-You Chess Game by Bill Green

GAMES: COMPUTER

| | | | | |
|----------------|----|------|---|----------------------------------------------------------------------------------------------------|
| Byte | Mr | p170 | a | Programming Quickies: The Capital of New Mexico is Santa Fe (BASIC) by Loring C White |
| Byte | Ap | p64 | c | Correction for NIMBLE: The Ultimate NIM? (Byte Nov '77 p177) by Fletcher Thane Carson |
| Byte | Ag | p166 | a | JACPOT (BASIC) by Edwin E Hastings |
| Byte | O | p122 | a | Solving the Eight Queens Problem by Terry Smith |
| Byte | O | p136 | a | Maze by Robert J Bishop |
| Byte | D | p45 | a | Life With Your Computer by Justin Millium & Judy Reardon |
| Byte | D | p54 | a | Some Facts of Life by David J Buckingham |
| Byte | D | p68 | a | One-Dimensional Life by Jonathon K Millen |
| Byte | D | p76 | a | Life by William Englander |
| Byte | D | p174 | a | Tic-Tac-Toe in BASIC by Mike Stoddard |
| Calc. Comp. Ja | | p8 | a | WORD SWAP for the Commodore PET (Sorting Game) |
| Calc. Comp. Ja | | p50 | a | GEOPAGES by Mac Oglesby |
| Calc. Comp. F | | p64 | a | Wordfind by Mac Oglesby |
| Calc. Comp. F | | p88 | a | MECC Listing for APPLE Selling Program |
| Calc. Comp. Mr | | p5 | a | Bagels and Jotto; Logic Games for the Computer (or Paper and Pencil) by Joanne Koltnow Verplank |
| Calc. Comp. Ap | | p5 | a | DROIDS a computer/board game by Mac Oglesby |
| Calc. Comp. Ap | | p12 | a | Speaking of Animals by Linda M Schreiber |
| Calc. Comp. Ap | | p16 | a | PHANTNUM An Elementary Mathematics Game by Howard A Peele |
| Calc. Comp. Ap | | p56 | b | The Devil's Dungeon A Fantasy Adventure into the Depths of the Earth by Dr C William Engel |
| Calc. Comp. Ap | | p60 | a | Play Ball! A Baseball Simulation for Classroom Study by Emeric T Noone |
| Calc. Comp. My | | p5 | a | TRS-80: Games & Abstract Art by Don Inman |
| Calc. Comp. My | | p38 | a | PLANE by Alex Siegel |
| Calc. Comp. My | | p39 | a | NUMBERS, BASIC Language Demonstration Program/Game by Steve Robbins |
| Calc. Comp. My | | p48 | a | WANTED: Vocabulary Words by Linda M Schreiber |
| Calc. Comp. S | | p4 | a | Big BASIC (Learning to write a Computer Game Program) by Flora Russ |
| Calc. Comp. S | | p34 | a | Marblestat (PET Game) by Mac Oglesby |
| Calc. Comp. S | | p37 | a | Loops (PET Game) by Jim Wilson |
| Calc. Comp. S | | p82 | a | 8080 Machine Language Programming for Beginners (Button-Button Game) by Ron Santore |
| Calc. Comp. N | | p6 | a | HILO A Number-Guessing Program That Illustrates Several Math Concepts by Scott H Costello |
| Calc. Comp. N | | p36 | a | SINNERS (PET) by Mac Oglesby |
| Calc. Comp. N | | p48 | a | The Phantom Returns by Arlene B Cram |
| Cr. Comput. Ja | | p26 | a | SFS Walletsize Space-Shuttle Simulator |
| Cr. Comput. Ja | | p132 | a | Yahtzee by Steve Elias |
| Cr. Comput. Ja | | p138 | a | VAN GAM by Alan Brown |
| Cr. Comput. Mr | | p133 | a | OIL COMPANY by Mark Phaneuf |
| Cr. Comput. Mr | | p138 | a | RACETRACK by Scott Bennett |
| Cr. Comput. Jy | | p10 | c | Correction for: Racetrack Program: Missing Digits (Cr Comput Mar '78) by Scott Bennett |
| Cr. Comput. My | | p38 | a | Tennis Match, A Talking Game! by Steve North |
| Cr. Comput. My | | p56 | a | Profile: ENCOUNTER (8080 Combat Game) by Steve North |
| Cr. Comput. My | | p74 | a | Tracking Right-Angle Searches In Mazes and Games by Scott Davidson |
| Cr. Comput. My | | p132 | a | Oregon Trail by Dan Rawitsch |
| Cr. Comput. My | | p140 | a | Art Auction by C William Engel |
| Cr. Comput. My | | p142 | a | Black Box by Jeff Kenton |
| Cr. Comput. Jy | | p135 | a | GAMMON by Paul von Autenried |
| Cr. Comput. S | | p68 | a | Profile: PET Cassettes from Peninsula School by Steve North |
| Cr. Comput. S | | p134 | a | Star Wars by Thomas N Ronayne |
| Cr. Comput. S | | p140 | a | HEX by James L Murphy |
| Cr. Comput. N | | p50 | b | 57 Practical Programs & Games In BASIC by Ken Tracton |
| Cr. Comput. N | | p104 | a | GAMES—NOT JUST FOR FUN Unvarnished Truth About KIM? by Jim Butterfield |
| Cr. Comput. N | | p110 | a | On Solving Alphametrics by John Beidler |
| Cr. Comput. N | | p151 | a | Corral by Colin Keay |
| Cr. Comput. N | | p152 | a | Joust by Alan Yarbrough |
| Cr. Comput. N | | p154 | a | Puzzle (Creates Word Search Puzzles) by Leor Zolman |
| Dr. Dobbs Ap | | p10 | a | The Oznaki "LIFE" by Harvey Cohen |
| Elem. Elec. Mr | | p51 | a | SPACE:1978 Fight the Star Wars with a Play-by-Mail Computer by Neil Shapiro |
| Elem. Elec. My | | p53 | a | e/e assembles the...Cosmac VIP Computer Game |
| Elem. Elec. Jy | | p58 | a | Mindbender Game Program by Larry Friedman |

GAMES: COMPUTER continued

| | | | |
|----------------|------|---|------------------------------------------------------------------------------------------------------------|
| Interf. Age Ja | p170 | a | Crazy Ball with North Star Disc BASIC by Sy Feierstadt |
| Interf. Age F | p56 | a | SFS Walletsize Spaceship Simulator Part I by Lance E Strickler, John H Buffington & Ivy Fleck Strickler |
| Interf. Age F | p167 | a | World Power (War Game) by Joe Jaworski |
| Interf. Age Mr | p60 | a | SFS Walletsize Spaceship Simulator Part II |
| Interf. Age Ag | p56 | a | European Roulette In Color by W C Hoffer |
| Interf. Age Ag | p63 | a | *MISFIT* by Bruce A Scott |
| Interf. Age Ag | p64 | a | PING PONG for the 8080 by Elliot Myron |
| Interf. Age Ag | p68 | a | Video Game Techniques in North Star BASIC for the SOL VDM-1 by Robert C A Goff |
| Interf. Age S | p128 | a | Child's Play Number Games for Begining Micro-Bugs by Karen S Wolfe |
| Interf. Age N | p122 | b | Star Ship Simulation by Roger Garrett |
| Interf. Age D | p138 | a | Pico-Fumi by Kenneth Slonberger |
| Kilobaud Ja | p90 | a | Rocket Pilot an interactive game for the Apple II by Robert J Bishop |
| Kilobaud Mr | p34 | c | Correction for Rocket Pilot (Kilobaud Jan '78 p91) |
| Kilobaud F | p52 | a | Star Wars an exciting Apple-II graphics game by Robert J Bishop |
| Kilobaud F | p112 | a | Deflection! a video game for the quick and agile by Andrew A Recupero |
| Kilobaud Mr | p28 | a | State Capitals, anew education program for the kids by Dave Alverson |
| Kilobaud Mr | p120 | a | A Different Approach to HI-LO let the computer guess! by Irwin Doliner |
| Kilobaud Ap | p22 | a | Kilobaud's Mystery Program are you ready for this? by Tom Rugg & Phil Feldman |
| Kilobaud Ap | p66 | a | 3-D Tic-Tac-Toe, a winner with the whole family! by Joseph Roehrig |
| Kilobaud Je | p20 | c | Correction for 3D Tic Tac Toe (Kilobaud April '78) by Joseph J Roehrig |
| Kilobaud Ap | p90 | a | Incredizing, amazing, incredible game for 8080 systems by Philip Tubb |
| Kilobaud Jy | p84 | a | Battleship by Harley Dyk |
| Kilobaud Ag | p54 | a | Swords and Sorcery! by Bruce Turrie |
| Kilobaud Ag | p69 | a | Update: Lunar Lander. Improves speed o May'77 Lunar Lander program by Malcolm Shore |
| Kilobaud S | p62 | a | Tally Ho! by Jack A Inman |
| Kilobaud O | p10 | b | The Way To Play |
| Kilobaud O | p76 | a | Action on the Enterprise by Ed Juge |
| Kilobaud D | p64 | a | Spelling Bee by David B Moody |
| Micro Je | p5 | a | LIFE for your PET by Frank H Covitz |
| Micro D | p11 | a | LIFE for your APPLE by Richard F Suttor |
| Modern Elec Je | p40 | a | Program: Craps by Carmine W Prestia |
| PCW Je | p56 | a | SCRAMBLE! by Graham J Trott |
| PCW Ag | p35 | a | Hangman by Mike Dennis |
| PCW O | p24 | a | Submarine Chase by A J Harding |
| PCW O | p28 | a | MINOTAUR A New Computer Game In BASIC by John D Lee & Timothy D Lee |
| PCW D | p56 | a | 3-D Noughts and Crosses by Bill Davy |
| Peoples Ja | p20 | a | POUNCE by Mac Oglesby |
| Peoples Mr | p16 | a | Epic Computer Games by Dennis Allison & Lee Hoevel |
| Peoples Mr | p26 | a | BUCKETS by Mac Oglesby |
| Peoples Mr | p59 | a | Frog Race by B Erickson |
| Peoples My | p11 | a | STAR WARS by Mark Pelczarski |
| Peoples My | p16 | a | Casino, A Small System Simulator by Borge Christensen |
| Peoples My | p41 | a | PONG for the PET by Martin Cohen |
| Peoples My | p45 | a | Tiny BlackJack by Milan Chepko |
| Peoples My | p54 | a | WUMPUS (TRS-80) |
| Peoples Jy | p26 | a | BASEBALL by Garth Dollahite |
| Peoples Jy | p54 | a | Concentration by Milan D Chepko |
| Peoples S | p8 | a | The Invasion of KINGDOM by Lee Schneider & Todd Voros |
| Peoples S | p46 | a | HORSES by Andy Stadler |
| Peoples S | p48 | a | JUMBLE by M C Hofheinz |
| Peoples N | p13 | a | RUNQUEST by Steve Perrin & Friends |
| Peoples N | p77 | a | TRS-80: FROGS! by Ramon M Zamora |
| Peoples N | p19 | a | PHANTNUM (APL) by Howard A Peele |
| Peoples N | p28 | a | H-A-N-G-M-A-N by Ron Santore |
| Peoples N | p44 | a | REVERSE by Ramon A Zamora |
| Per. Comput.Ja | p89 | a | Boxing by Computer by Joseph J Roehrig |
| Per. Comput.F | p53 | a | Play STAR WARS by Jerry Self |
| Per. Comput.F | p81 | a | Touching Down On: Computer Football (How the game is played) by Joe Roehrig |
| Per. Comput.Ap | p76 | a | Rolling the Bones by Timothy Purinton |
| Per. Comput.My | p70 | a | Doing the 52 Card Shuffle by Andrew Russakoff |
| Per. Comput.My | p73 | b | Game Playing with BASIC by Donald G Spencer |
| Per. Comput.My | p80 | a | Game Playing: No Strings Attached by Bruce A Scott |
| Per. Comput.Je | p44 | a | Factor Game by Herbert L Dershem |
| Per. Comput.Je | p69 | a | Dot by Dot by Fred Hellwell |
| Per. Comput.Jy | p22 | a | Roulette on your PET with Bells and Whistles by David M Conley |
| Per. Comput.Jy | p58 | a | Batter-Up Micro Style by Joe Roehrig |

GAMES: COMPUTER continued

Per. Comput. Jy p64 a Gunner Game by Laurence G Dishman
 Per. Comput. Ag p48 a The Marvelous Micro Mentalist by Timothy Purinton
 Per. Comput. S p56 a Spelling Bee for a PET by Michael Tulloch
 Per. Comput. O p62 a Scrolling with an Unseen Hand by Karen S Wolfe
 Pop. Elec. N p98 a A TIC-TAC-TOE Game for your ELF Computer by Edward M McCormick
 ROM Mr p77 a Othellooo by Daniel Brodsky
 73 F p78 a Fiendish New QUBIC Program by Robert J Bishop
 73 Ap p104 a The Klingons Are Coming! - new depth charge game by Mark Herro
 73 Jy p116 a The Occult Computer - test for ESP with a micro by Gordon W Flemming
 73 Jy p118 a A Baudot Program For Your Micro- simulated Vegas visit, Slot Machine
 by Victor Fricke

GAMES: ELECTRONIC & VIDEO

Cr. Comput. Ja p27 a Electronic Games; Auto Race, Missile Attack, Football by Stephen Gray
 Cr. Comput. Mr p92 a Product Profile: APF Mathemagician by Joseph W Willhide & Henry L Viarengo
 Cr. Comput. My p47 a Profile: Electronic Battleship by Stephen B Gray
 Cr. Comput. Jy p32 a Video Games: 3 Interviews: Nolan Bushnell, Bernie De Koven & Sid Sackson
 by David Ahl
 Cr. Comput. Jy p35 a Profile: Atari Video Pinball by David H Ahl
 Cr. Comput. Jy p37 a Profile: Atari Video Computer System by David H Ahl
 Cr. Comput. S p56 a Bally Professional Arcade by Karl L Zinn
 Cr. Comput. N p70 a Smart Electronic Games and Video Games by David H Ahl
 EDN Ja5 p16 a The uP says TILT!—pinball machines grow smarter
 Elec. Elec. My p67 a Non-TV Computer Games challenge Your Intelligence More than Reflexes
 by Norman Meyers
 Elec. Elec. Jy p69 a Choose This Tricky Computer for Challenging Chess by Norman Meyers
 Kilobaud Ap p116 a Finally: 8080 Meets the Fairchild Video Game by Jim Huffman
 Pop. Elec. Ja p33 a New 1978 Electronic Games by Kris Jensen
 Radio Elec. N p52 a Build This TANK arcade quality TV game by L Steven Cheairs
 Radio Elec. D p74 a TANK Arcade Quality TV Game by L Steven Cheairs

GENERAL INTEREST

Byte Ja p108 a The Second World Computer Chess Championships by Peter R. Jennings
 Byte F p162 a Programming Entomology by Gary McGath
 Byte My p8 e On the Uses of Snowstorms in Computer Science by Carl Helmers
 Calc. Comp. S p66 a How to Get Dead Drunk and Survive (Do it as a Computer Simulation!)
 by John Cook
 Calc. Comp. N p26 a What Day of the Week...? by Douglas E Scott
 Calc. Comp. N p56 a Mind over Machine, The Essence of an Eureka! by D Thomas King
 Cr. Comput. Ja p130 a The Rhetoric of the Computer by Barbara Marsh
 Cr. Comput. My p34 a Modelling the Cat Falling
 Cr. Comput. My p62 a If It's Right, You Know It (Computer Career) by Debbie Schultz
 Cr. Comput. My p90 a Sky Lighting (Goodyear Blimp) by Marc Treib
 Cr. Comput. My p96 a The Digital Brush, An Interview With Star Wars Animator Larry Cuba
 by David Hutchison
 Cr. Comput. Jy p114 b Computers and Their Societal Impact by Martin O Holoiien
 Cr. Comput. S p34 a Random Ramblings, Random Ramblings..... by David H Ahl
 Cr. Comput. S p84 a Personal Computers at Univ. of Mich. & An Assement of Potential Impact
 by Karl L Zinn
 Cr. Comput. S p108 a Freedom and the Computer by Jon R Welton
 Cr. Comput. S p112 a Distributed Processing "Dynamite"...Not Necessarily!! by James C Meehan
 Cr. Comput. S p124 a Can Computers Solve the Population Problem? by David H Ahl
 Elec. Elec. Jy p43 a You and Your Computer, Most asked questions
 Interf. Age F p66 a Social Impact of the Computer, An Editorial from "Down Under"
 by Timothy Mowchanuk
 Interf. Age F p88 a Electron Beam Generator Produces ICs Nine Times Smaller by Dr Andrew Wittkower
 Interf. Age F p91 a The WRT System: From Field Notes to Programmable Data
 by Dr S J Poray-Tucholski
 Interf. Age Ap p47 a Jurisprudent Computerist: Patents, Copyrights & Trademarks
 by Elliot MacLennan & Stephen Murtha
 Interf. Age Ap p78 a Star Wars; Special Production and Mechanical Effects by John Stears
 Interf. Age My p110 a A Development-Project; Reporting & Control Technique by William Rosenbluth
 Interf. Age O p78 a The Auto Industry Moves to Microprocessors by Robert S Koster & Leslie D Ball
 Kilobaud My p12 a Legal Business Forum: Personal Privacy by Kenneth S Widelitz
 PCW N p35 a How to Enter Computer Programming (Profession) by George Penney
 Peoples Mr p14 b Computers and Their Societal Impact by Martin O Holoiien

GENERAL INTEREST continued

| | | | | |
|-----------------|----|-----|---|---------------------------------------------------------------|
| Peoples | Mr | p60 | a | IBM 370 Model 69 Features and Devices by A Nonymous |
| Peoples | My | p48 | a | In Defense of the Computer Establishment by Warner Mach |
| Peoples | Jy | p24 | a | Esoteric Computerabilia; Live-Wire Design by Bettijane Levine |
| Per. Comput. F | | p36 | a | A Plunge into the Stock Market by Tom Munnecke |
| Per. Comput. F | | p87 | a | Computers in Developing Nations: A Cautionary Tale |
| Per. Comput. Ap | | p94 | a | Protecting Your Micro by Gary W Dozier |
| Per. Comput. Jy | | p32 | a | Computers, Politics and Planning by Liz Einstein |
| ROM | F | p19 | a | The Human Factor: A Modern Polish Joke by Andrew Singer |
| ROM | Mr | p54 | a | Time Real & Unreal by Sandra Erikson |
| Spectrum | Ja | p26 | a | Technology '78, Computers: Consolidating Gains |

GRAPHICS

| | | | | |
|----------------|----|------|---|--------------------------------------------------------------------------------------------------------------|
| Byte | My | p10 | a | The Photograph is Also a Hard Copy by Dr. Dwight D Egbert |
| Byte | My | p16 | a | Graphics in Depth; 3-D Adds a New Dimension to Your Display by Timothy Walters & William Harris |
| Byte | My | p24 | a | Product Description: The Matrox ALT-256 Video Board by Gary Rupple |
| Byte | My | p32 | a | Color Graphics on the Compucolor 8051 by Thomas A Dwyer & Margot Critchfield |
| Byte | My | p44 | a | A Raster Scan Graphics Suggestion by Tello D Adams |
| Byte | My | p49 | a | Hidden Line Subroutines for Three Dimensional Plotting by Mark Gottlieb |
| Byte | My | p60 | a | PLOT3D: A Function Plotting Program by Mike Stoddard |
| Byte | My | p62 | a | GRAPH: A System for Television Graphics by John Webster & John Young |
| Byte | My | p79 | a | A Programmable Character Generator Part 1: Hardware by Larry Weinstein |
| Byte | Je | p11 | l | The Importance of Color Graphics by Tom Dwyer & Margot Critchfield |
| Byte | Je | p14 | a | A Programmable Character Generator Part 2: Software by Larry Weinstein |
| Byte | Je | p153 | a | A Theatrical Lighting Graphics Package by William Hemsath, James Seawright, Emmanuel Ghent & Mimi Garrard |
| Byte | Je | p158 | a | GRAPH: A System for Television Graphics Part 2 by John Webster & John Young |
| Byte | Ag | p62 | c | Correction for: GRAPH (Byte June '78 p 165) |
| Byte | S | p22 | a | The Mathematics of Computer Graphics by Jeffery L Posdamer |
| Byte | S | p40 | a | APL and Graphics by Eduardo Kellerman |
| Byte | S | p156 | a | Graphic Manipulations Using Matrices by Joel C Hungerford |
| Calc. Comp. F | | p77 | a | A Graphing Drill for CAI by Robert Schenk |
| Calc. Comp. Ap | | p48 | a | TRS-80 Rectangular Graphics by Don Irman |
| Calc. Comp. My | | p5 | a | TRS-80: Games & Abstract Art by Don Irman |
| Calc. Comp. N | | p12 | a | The TRS-80 Draws Straight Lines at ODD Angles by Don Irman |
| Cr. Comput. My | | p82 | a | Synthavision, The Building-Block Approach to 3-D Computer Graphics by Larry Elin |
| Cr. Comput. My | | p84 | a | Creating Computer Art by Russ Walter |
| Cr. Comput. My | | p88 | a | Computer Animation: Out of the Lab and Onto the TV Screen by Arthur Bellaire |
| Cr. Comput. My | | p92 | a | Color Graphics with a Light Pen by Tom Dwyer & Margot Critchfield |
| Cr. Comput. My | | p96 | a | The Digital Brush, An Interview With Star Wars Animator Larry Cuba by David Hutchison |
| Cr. Comput. My | | p100 | a | Idols of Computer Art by Robert E Mueller |
| Cr. Comput. Jy | | p30 | a | High-Resolution Graphics for the Apple II by Gary D Dawkins |
| Cr. Comput. Jy | | p111 | a | How Do I display 3-D Graphics on a TV Screen? |
| Cr. Comput. S | | p88 | a | Gumowski (Tektronix 4051 Graphics) by John Lansdown |
| Cr. Comput. N | | p78 | a | Patterns by William Games |
| Cr. Comput. N | | p146 | a | Snowflake Plotting in ALGOL and BASIC by James Jones |
| Dig. Design Ja | | p35 | a | Computer-Assisted Image Processing by Alan S Barrett |
| Dig. Design F | | p40 | a | Raster Scan Computer Graphics by Michael A Neighbors & Charles E Stuart |
| Dig. Design Ap | | p52 | a | Color Graphics and Imaging Systems by Abraham Armoni |
| Dig. Design Ap | | p60 | a | Technology and the Times, Computer Graphics by Neesa Sweet & Vicki O'Hara |
| Dig. Design My | | p56 | a | Color Graphics and Imaging Systems by Abraham Armoni |
| Dr. Dobbs F | | p22 | a | Absolute dazzling Dazzleware by Gordon French & Gregory Yob |
| Dr. Dobbs F | | p30 | a | DAZZLER DRIVER Subroutines and a 'Chase' by Phillip Simpson |
| Dr. Dobbs Je | | p41 | l | Two S-100 Graphics Products Compared; Merlin & Matrox ALT-256 by James E Randall |
| Dr. Dobbs N | | p32 | a | tiny GRAFIX...for tiny BASIC by Joel Swank |
| Elec. Des. F | 15 | p68 | a | Graphics CRT displays are easy to design with raster scan imaging by Branko Matic & Lorne Trottier |
| Interf. Age Ja | | p153 | a | Cromemco Dazzler Graphics Interface Driver by Ray Duncan |
| Interf. Age Ja | | p170 | a | Crazy Ball with North Star Disc BASIC by Sy Feierstadt |
| Interf. Age Mr | | p92 | a | Product Preview: BIT PAD...A New Graphic Data Entry Device by Albert L Whetstone |
| Interf. Age O | | p50 | a | The Inventors Scratchpad: A System for 3D Graphics Display by Roger Garrett |
| Kilobaud Ja | | p64 | a | TVT Hardware Design low-cost graphics by Don Lancaster |
| Kilobaud Jy | | p52 | a | Draw Dazzling Color Graphics by Jon A Rick |

GRAPHICS continued

| | | | | |
|----------------|----|------|---|--------------------------------------------------------------------------------------------|
| Kilobaud | O | p64 | a | Dazzler and BASIC by Jon A Rick |
| Kilobaud | N | p26 | a | Raster Scan Graphic for the 6800 Part 1: The hardware by David Koh |
| Kilobaud | D | p56 | a | Raster Scan Graphics for the 6800 Part 2: The Software by David Koh |
| Micro | Ag | p33 | a | Brown and White and Colored All Over (Apple Color) by Richard F Sutor |
| Micro | O | p43 | a | Apple II High Resolution Graphics Memory Organization by Andrew E Eliason |
| Micro | D | p23 | a | Continuous Motion Graphics or How to fake a Joystick with the PET by Alan K Christensen |
| Mini Micro | F | p46 | a | Computer Graphics (Terminal Selection Guide) by Joel N Orr |
| Peoples | My | p42 | a | KALEIDOSCOPE for the PET by Dave Offen |
| Peoples | Jy | p40 | a | ASCII Graphics by Daniel Browning |
| Peoples | Jy | p44 | a | PLOT (PET) by Philip Gash |
| Per. Comput.F | | p48 | a | Technology and the Times: COMPUTER GRAPHICS by Neesa Sweet & Vicki O'Hara |
| Per. Comput.Jy | | p54 | a | The Magic Of A Face by Paul Snigier |
| Per. Comput.S | | p58 | a | Dazzler Graphics by Linda M Schreiber |
| Pop. Elec. Ap | | p102 | a | Computer Bits: High-Resolution Graphics by Leslie Solomon |
| Pop. Elec. O | | p91 | a | Computer Bits: Another Graphics System by Leslie Solomon |
| Pop. Elec. N | | p92 | a | "Corona" 256-Color Peripheral by Jeff Lowenson, Robert Marsh & James Spann |
| Pop. Elec. D | | p90 | a | Computer Bits: Enhanced Graphics by Leslie Solomon |
| ROM | Ja | p8 | a | Missionary Position: The Art of the Computer Screen by Theodor Nelson |
| ROM | Ja | p14 | a | AIQuotient: Computer Vision by A I Karshmer |
| ROM | Ja | p54 | a | A Beginner's Guide to Computer Graphics or Raster Scan Can by Bill Etra |
| ROM | F | p8 | a | Missionary Position: More Art of the Computer Screen by Theodor Nelson |

HISTORY

| | | | | |
|----------------|----|------|---|------------------------------------------------------------------------------------------------|
| Byte | My | p158 | b | The Dragons of Eden by Carl Sagan |
| Byte | Jy | p48 | a | Antique Mechanical Computers Part 1: Early Automata by Dr. James M Williams |
| Byte | Jy | p64 | a | The First Ten Years of Amateur Computing by Sol Libes |
| Byte | Jy | p84 | a | A Short History of Computing by Keith S Reid-Green |
| Byte | Ag | p90 | a | Philadelphia's 179 Year Old Android by Charles F Penniman |
| Byte | Ag | p96 | a | Antique Mechanical Computers; 18th & 19th Century Mechanical Marvels by Dr James M Williams |
| Byte | S | p82 | a | Antique Mechanical Computers Part 3: The Torres Chess Automaton by Dr James M Williams |
| Calc. Comp. F | | p27 | a | uComputers and Video Disc Systems: Magic Lamps for Educators? by Ludwig Braun |
| Comp. Dec. Mr | | p34 | a | William S Burroughs by Molly Gieiser |
| Cr. Comput. Ja | | p34 | a | Five Who Most Disturbed The Thought of Man |
| Cr. Comput. My | | p10 | l | Inventor of the Computer (Round Two) by Ernest J Tursich |
| Cr. Comput. S | | p30 | a | The Origin of the Times Sign? by John F Rogers |
| Dr. Dobbs S | | p20 | a | The LAST of the FIRST (Univac II) by Aubrey Dahl |
| Interf. Age Ap | | p65 | a | The History of Robots by Forest Ackerman |
| Interf. Age Je | | p53 | a | You Mean My Fallacy Is Incorrect? by Dennis Hamilton |
| Interf. Age S | | p42 | a | The Mind Revolution, History of Robots, etc. by Merl Miller |
| Interf. Age O | | p43 | a | The Mind Revolution: Robot History by Merl Miller |
| PCW My | | p14 | a | Past Procession by Guy Kewney |
| PCW Je | | p28 | a | The Mystery of the Lost Computer by Harry Harrison |
| PCW D | | p32 | a | Colossus, Alan Turing and the Stored Program by B D Price |
| Per. Comput.F | | p30 | a | Micro History by Rodney Zaks |
| Per. Comput.Mr | | p51 | a | Looking Back by Henry Brainerd |
| Per. Comput.Ap | | p79 | a | The Eniac Story by Henry Brainerd |
| Per. Comput.S | | p24 | a | Looking Back "History is the rear-view mirror of progress" by Henry Brainerd |
| Per. Comput.D | | p37 | a | History of Computing (Quiz) by Donald Spencer |
| ROM F | | p14 | a | AIQuotient: ROM's Robot Review Part 1: History-ROMance to Reality by A I Karshmer |
| ROM Mr | | p92 | a | World War II's Legacy to Digital Techniques by Frederick W Chesson |

HOBBY (PERSONAL COMPUTING)

| | | | | |
|----------------|----|------|---|-------------------------------------------------------------------------|
| Byte | Ja | p6 | e | What Is This Phenomenon Personal Computing? by Carl Helmers |
| Byte | Jy | p64 | a | The First Ten Years of Amateur Computing by Sol Libes |
| Byte | O | p6 | e | On Using a Personal Computer for a Practical Purpose by Carl Helmers |
| CQ | F | p29 | a | Computers...Do You Really Want One? by Robert L Stites |
| CQ | Jy | p55 | a | An Unabashed Look at Personal Computing by Stephen Mendelsohn |
| Comp. Dec. Ja | | p22 | a | Computers for Christmas by Alan Kaplan |
| Cr. Comput. Mr | | p24 | a | Fairytales; Computer Technology: Sorcerer's Apprentice? by Allen Newell |
| Cr. Comput. My | | p78 | b | The Home Computer Revolution by Ted Nelson |
| Cr. Comput. S | | p102 | a | Considerations in Buying a Personal Computer by Karl L Zinn |
| Dr. Dobbs Ja | | p7 | l | Consumer Do's and Don't's from a Dealer by Bobby Williams |

HOBBY (PERSONAL COMPUTING) continued

| | | | | |
|-----------------|------|------|---|------------------------------------------------------------------------------------------|
| Dr. Dobbs | F | p3 | 1 | More Good Advice on Mail Ordering by John D Hirsch |
| Elec. Des. | My10 | p85 | a | Computers in the home are only as good as their peripherals |
| Interf. Age | F | p92 | a | Computer Tutorial Part I An Introduction to the World of Home Computers by Roger Edelson |
| Interf. Age | Je | p44 | a | Personal Computing Is More Than A Hobby by Portia Isaacson & Jack Grizes |
| Interf. Age | Je | p49 | a | The Personal Computer and Change In The Computer Industry by Portia Isaacson |
| Interf. Age | Je | p53 | a | You Mean My Fallacy Is Incorrect? by Dennis Hamilton |
| Interf. Age | Je | p55 | a | Cooperation by John Craig |
| Interf. Age | Jy | p44 | a | From the Fountainhead by Adam Osborne |
| Interf. Age | Ag | p42 | a | From The Fountainhead: Warranties, etc. by Adam Osborne |
| Interf. Age | S | p54 | a | From the Fountainhead: European Market, etc. by Adam Osborne |
| Kilobaud | Ja | p108 | a | It's Your Hobby! the critics be hanged by Dennis E Hamilton |
| Kilobaud | Je | p12 | b | The Home Computer Revolution by Theodor H Nelson |
| Kilobaud | S | p56 | a | Home System Demo Program by Mark Herro |
| Kilobaud | D | p30 | a | A "Gift" That Keeps on Giving by Bernard G Fehringer |
| Mini Micro | Mr | p94 | a | PERSONAL COMPUTING...for the computing professional by Adam Osborne |
| Modern Elec | Je | p30 | a | Home Computer: the plumber's new friend |
| PCW | My | p12 | a | Personal Power Is Here by J H Miller-Kirkpatrick |
| PCW | My | p50 | a | PCW Open Page: The Amateur Computer Club View by Mike Lord |
| PCW | Ag | p41 | a | PCC's Home Reference Book of Personal and Home Computing by D McCabe |
| PCW | Ag | p58 | a | Computing for Everybody by Magnus Magnusson |
| PCW | S | p52 | a | A Tidal Wave by Leslie Solomon |
| PCW | O | p15 | a | The Micro Is A Many Splendoured Thing by Leslie Solomon |
| Peoples | Ja | p8 | a | A Computer Revolution? by Phyllis Cole |
| Per. Comput. Mr | | p32 | a | Diving into Computer Advertising by Gary Greenberg |
| Spectrum | Ja | p54 | a | Technology '78, Consumers as Programmers by Don Mennie |
| Spectrum | S | p30 | a | Personal Computers for the Entrepreneur by Don Mennie |
| 73 | Ja | p98 | a | How to Keep Your Computer Happy |

HOME APPLICATIONS

| | | | | |
|-----------------|------|------|---|----------------------------------------------------------------------------------------|
| Byte | Mr | p174 | a | Controlling the Real World by Hank Olson |
| Byte | Ap | p114 | a | Tune In and Turn On Part 1: A Computerized Wireless AC Control System by Steve Ciarcia |
| Byte | Ap | p158 | b | Your Home Computer by James White |
| Byte | My | p97 | a | Tune In and Turn On, Part 2: An AC Wireless Remote Control System by Steve Ciarcia |
| Byte | Je | p166 | a | Audio Processing with a Microprocessor; Adding a Virtual Tape Loop by Tom O'Haver |
| Byte | N | p66 | a | Checkbook Balancer (BASIC) by Rod Hallen |
| Byte | D | p184 | a | A Proposal for a Kitchen Inventory System, (Barcode Data) by Richard Shuford |
| Calc. Comp. | Ap | p11 | a | put the HOME in home computer by Linda M Schreiber |
| Calc. Comp. | N | p4 | a | Made to Order (Program to change a recipe for a various Servings) by Linda M Schreiber |
| Cr. Comput. | My | p108 | a | BASIC Financial Behaviorism or First Steps Toward a Real Budget by Dennis J McGuire |
| Cr. Comput. | My | p131 | a | Short Programs: Systematic Savings Revisited by Stu Denenberg |
| Cr. Comput. | Jy | p40 | a | Interface with AC Remote Control by Debbie Pace |
| Cr. Comput. | Jy | p79 | a | Does Your Car Need Oil? by Rob Lufkin |
| Cr. Comput. | N | p48 | b | Basic Software Library: Vol VIII, Homeowners Programs by Roger W Brown |
| Cr. Comput. | N | p49 | b | The Mind Appliance: Home Computer Applications by T G Lewis |
| Cr. Comput. | N | p49 | b | The Home Computer Handbook by Edwin Schlossberg, John Brockman & Lyn Horton |
| EDN | N 20 | p54 | a | uP-based home-control system stands guard and manages energy by Sam Davis |
| Interf. Age | Je | p102 | a | Using the Heathkit HB System in Home, and Business Applications by Richard S Arnold |
| Interf. Age | Ag | p71 | a | Microcomputers in the Home by Terry Benson |
| Interf. Age | Ag | p77 | a | The Personal Management Program by Carl Townsend |
| Kilobaud | Ja | p122 | c | Correction for AC-30 Control Decoder (Kilobaud Sept '77) by Phil Hughes |
| Kilobaud | Mr | p64 | a | Consumer Computer Inc., the ultimate answer to bill collectors by Joseph Roehrig |
| Kilobaud | Ag | p84 | a | FINANC—A Home/Small Business Financial Package by Les Palenik |
| Kilobaud | S | p56 | a | Home System Demo Program by Mark Herro |
| Per. Comput. F | | p66 | a | This is the House that LESS Built! by Reginald Gates |
| Per. Comput. Ap | | p57 | a | A Plentiful Harvest (Gardening) by Gary W Dozier |
| Per. Comput. Ap | | p94 | a | Protecting Your Micro by Gary W Dozier |
| Per. Comput. Ap | | p101 | a | Calculating Seasonal Indices (Gardening) by Karen S Wolfe |
| Per. Comput. Ag | | p23 | a | Computing on the Rocks (Drink Mixing) by Sam Newhouse |
| Per. Comput. O | | p24 | a | Techno Turkey and the Haunted House by Lloyd R Prentice |

HOME APPLICATIONS continued

Humor

| | | | | |
|--------------|----|------|---|--------------------------------------------------------------------------------------------------|
| Byte | F | p162 | a | Programming Entomology by Gary McGath |
| Byte | Je | p99 | m | Ode to the ROM (Poem) by Bob Schweitzer |
| Cr. Comput. | Ja | p102 | a | The Contributions of Edsel Murphy by John P Breen |
| Cr. Comput. | Mr | p24 | a | Fairytales; Computer Technology: Sorcerer's Apprentice? by Allen Newell |
| Cr. Comput. | Mr | p64 | a | DATAMAZING, April |
| Cr. Comput. | Mr | p130 | a | The Lighter Side of Computer Hardware (cartoons) |
| Cr. Comput. | My | p115 | a | What's a Programmer? by Wade M Turner |
| Cr. Comput. | Jy | p78 | a | New 8K CAI System Can Be Molded to Fit User's Needs by Michael G Shafto & Peter B Worland |
| Cr. Comput. | N | p60 | a | Generation of Acronyms By Buzzword INTeGration (GABBING) by John Sotos |
| Cr. Comput. | N | p102 | a | 'twas the night before Christmas |
| Interf. Age | F | p138 | b | The Universal Elixir, and Other Computing Projects Which Failed by Robert Glass |
| Kilobaud | Je | p64 | a | The Great Computer Conspiracy by Clint H Woeltjen |
| Kilobaud | Ag | p8 | b | The Universal Elixir and Other Computing Projects Which Failed by Robert L Glass |
| Kilobaud | O | p108 | a | Ready or the Nuthouse? Random Message generator. by Peter A Stark |
| Per. Comput. | Ja | p76 | a | CLOAK and DAGGER with your personal computer by Timothy Purinton |
| Per. Comput. | Ja | p112 | a | Furbush Manor by Laurence F Wygant |
| Per. Comput. | F | p92 | a | Programming Hangups |
| Per. Comput. | Ap | p26 | a | The Perverse Digital Processor Song (To the tune of "Old Macdonald") by Jordin Kare |
| Per. Comput. | Ap | p89 | a | A Computer Project that Failed by Robert L Glass |
| Per. Comput. | Ap | p92 | a | Computer Babble by Justus Carsie |
| Per. Comput. | N | p41 | a | ...Try, Try Again by Robert L Glass |
| 73 | O | p182 | a | The Long-Term Effects of Working with ICs - learn the five warning signs by Alexander MacLean |

10

| | | | | |
|-------------|------|------|---|---------------------------------------------------------------------------------------------|
| Byte | F | p52 | a | Add a \$3 Light Pen to Your Video Display by John Webster and John Young |
| Byte | Mr | p46 | c | Correction for An Inexpensive Joystick Interface (Byte Mar '77 p88) by William Lemiszki |
| Byte | My | p10 | a | The Photograph is Also a Hard Copy by Dr. Dwight D Egbert |
| Byte | My | p92 | a | A Low Cost Light Wand Amplifier by Robin C Moseley |
| Byte | S | p54 | c | Correction for: Light Wand Amplifier (Byte May '78 pg2) |
| Byte | Ag | p156 | a | Let Your Fingers Do the Talking, A Touch Scanner for Your Video Display by Steve Ciarcia |
| Byte | O | p151 | c | Correction: A Bug in the Scanner (Byte Aug '78 p156) |
| Byte | S | p94 | a | Let Your Fingers Do the Talking; Scanner Applications by Steve Ciarcia |
| Byte | O | p70 | a | PAM/8: A New Approach to Front Panel Design by Gordon Letwin |
| Byte | N | p150 | a | Hobbyist Computerized Bulletin Board by Ward Christensen & Randy Suess |
| Comp. Des. | Ja | p132 | a | Microcomputer Interfacing: Analog Multiplexers by J Titus, C Titus, P Rony & D Larsen |
| Comp. Des. | Mr | p122 | a | Hardware/Software for Process Control I/O by A D Marathe & A K Chandra |
| Comp. Des. | Mr | p152 | a | Monolithic Data Conversion Devices: Digital to Analog Converters |
| Comp. Des. | Ap | p188 | a | Monolithic Data Conversion Devices: Analog to Digital Converters by Eric R Green |
| Comp. Des. | Je | p135 | a | uC Interfacing: Command Decoders by C Titus, J Titus, P Rony & D Larsen |
| Comp. Des. | Jy | p115 | a | Interfacing Fundamentals: The 8085 uProcessor by D Larsen, P Rony, C Titus & J Titus |
| Comp. Des. | S | p130 | a | Software-Based Single Bit I/O Error Detection & Correction Scheme by George M White |
| Comp. Des. | N | p142 | a | Digital Input Units Isolate uComputer from Industrial Level Voltages by C R Teeple |
| Comp. Des. | D | p77 | a | Integrating Peripherals Into Processing Systems by Reinholdt J Eufinger |
| Cr. Comput. | Jy | p43 | a | Interfacing with a Bit Pad by Robert Davis |
| Cr. Comput. | Jy | p52 | a | Man-Machine Tactile Communication by A Michael Noll |
| EDN | F 20 | p33 | a | Read 12 bits of data onto an 8-bit uP bus by Bill Tanner |

I/O continued

EDN My20 p41 a Sense 90 bits through an 8-bit input port by Robert Grappel
 EDN S 5 p70 a Speed-read 12 bits onto an 8-bit bus by D W Taylor
 EDN S 5 p70 a Control 128 bits with an 8-bit uC port by Robert D Grappel
 Electronics Ja5 p158 a RAM and d-a convertor form complex-waveform generator
 by William A Palm & G A Williamson
 Electronics F 16 p125 a Dedicated LSI chips aim at communications by Richard Gundlach
 Electronics Mr16 p123 a Communications chip interfaces with most microprocessors (ACE) by Sam Travis
 Electronics Ag17 p120 a 9900 simplifies design of bidirectional I/O module by Henry Davis
 Electronics N 23 p127 a Second-generation microcontrollers take on dedicated function tasks
 by John Beaston
 Elec. Des. Je21 p70 a Handle uComputer I/O efficiently to synchronize prog execution with I/O
 by D Phillip Burton & Arthur L Dexter
 Interf. Age F p94 a Build a Light Pen by Scott Fluhrer
 Interf. Age Mr p92 a Product Preview: BIT PAD...A New Graphic Data Entry Device
 by Albert L Whetstone
 Interf. Age Mr p94 a MIO Board Configuration Manual by John K Borders
 Interf. Age Je p118 a The Keyed-Up 8080: An Attractive Alternative Front Panel by Roger H Edelson
 Interf. Age S p123 b Microprocessor Interfacing Techniques Second Edition
 by Austin Lesesne & Rodney Zaks
 Kilobaud Ja p106 a One Byte at a Time with Morrow's I/O cassette board by Gary Alevy
 Kilobaud F p72 a Interfacing Tips communicating with the outside world by Mark Boyd
 Kilobaud F p108 a All in One George Morrow's versatile front-panel board by George Baeslack
 Kilobaud Mr p92 a I/O Programming for the Altair Disks ain't no big deal by Don Alexander
 Kilobaud Ap p110 a Build a Touch-Response Display, and advance in human engineering
 by Ken Barbier
 Kilobaud My p44 a Experiments in Software, serial to parallel conversion by Dan Stogdill
 Kilobaud Jy p74 a Eliminating Finger Blisters, replacement front panel by Peter W Sargent
 Kilobaud O p46 a Kilobaud Klassroom #13 I/O Circuitry by Peter A Stark
 Kilobaud N p38 a Kilobaud Klassroom #14: Parallel and Serial I/O Ports by Peter A Stark
 Kilobaud D p48 a Kilobaud Klassroom #15, Computer I/O III by Peter A Stark
 Pop. Elec. My p86 a Computer Bits: uComputer Input/Output by Hal Chamberlin
 Radio Elec. Ap p80 a Computer Corner: Z-80 Interfacing by William Barden
 Radio Elec. My p45 a Digital Data Transmission-How A Computer Communicates by Phil Hughes
 Radio Elec. Jy p74 a Computer Corner: Data Acquisition for Microcomputers
 by Peter Rony, Jonathan Titus, David Larsen & Chris Titus
 73 Je p111 a Hey! Wait For Me! - slowing computers to reading speed by Charles E Thomas
 73 Je p114 a Morrow's Marvelous Monitor - reviewing the Morrow front panel by Steve Eigsti
 73 O p161 a Computers and the Real World - practical D/A and A/D conversion
 by Kenneth D Tentarelli

INTELLIGENCE, ARTIFICIAL

Byte O p182 a Creating a Chess Player; An Essay on Human & Computer Chess Skill
 by Peter W Frey & Larry R Atkin
 Byte N p162 a Creating a Chess Player Part 2: Chess 0.5 by Peter W Frey & Larry R Atkin
 Cr. Comput. Ja p68 a Human Memory Processes by Susan Hastings
 Cr. Comput. Jy p60 a Theorem-Proving with Euclid, Artificial Intelligent CAI (Extended BASIC)
 by Thomas J Kelanic
 Cr. Comput. Jy p115 b Artificial Intelligence by Patrick H Winston
 Cr. Comput. S p171 a Theorem Proving by Bryant W York
 Elec. Elec. S p41 a BIO LOGIC The Ultimate Personal Computer is Inside Your Head
 by Walter Sikornowiz
 Interf. Age Ap p42 a The Mind Revolution, Robotics & Artificial Intelligence by Merl Miller
 Interf. Age Ap p80 a A Natural Approach to Artificial Intelligence by Roger C Garrett
 Interf. Age My p32 a The Mind Revolution; What is a Robot?...Intelligence? by Merl Miller
 Interf. Age Je p24 a The Mind Revolution; Robots vs Controllers by Merl Miller
 Interf. Age Ag p37 a The Mind Revolution: The Turing Test by Merl Miller
 Interf. Age N p36 a The Mind Revolution: Artificial Intelligence, etc. by Merl Miller
 Interf. Age D p42 a The Mind Revolution: Book List by Merl Miller
 Kilobaud Ag p76 a Is There Intelligent Life in Your Computer Room? by William Haygood
 PCW Ag p14 a It's the Thought That Counts by W V Ringer
 Peoples Jy p21 a Post-Human Intelligence by Robert Jastrow
 Per. Comput.F p21 a Interview with Joseph Weizenbaum: Moral Considerations of Artif. Intell.
 by Eric Bender
 Per. Comput.Ap p37 a The Brain and the Machine by Willard E Matheson
 Per. Comput.Je p26 a Programming the Most Complex Computer
 Per. Comput.N p30 a Dealing with Adversaries by Patrick Henry Winston
 ROM Ja p14 a AIQuotient: Computer Vision by A I Karshmer

INTELLIGENCE, ARTIFICIAL continued

ROM F p33 a Artificial Intelligence by Joseph Weizenbaum
 ROM Mr p66 a Things Computers Still Can't Do by Hubert L Dreyfus

INTERFACES & BUSSES

Byte Mr p148 a The Altair (S-100) Bus Forum: PCC 77 by John McCallum
 Byte Ag p12 l A Letter Exchange: Extending S-100 Bus? by Olav Naess
 Byte S p102 a S2L: An Altair (S-100) to LSI-11 Adaptor by Jonathon Bondy
 Comp. Des. N p170 a IEEE488: A Proposed uC I/O Bus Standard by Bert E Forbes
 Dig. Design F p27 a Using Microprogramming to Standardize Minicomputer Interfacing
 by Fred Grothman & Jerry Washburn
 Dig. Design My p34 a Unified Buses, making the Peripheral IC/uC Connection
 by Michael Smolin, David Graves, Keith Winter & Milton Shwartz
 Dig. Design Jy p86 a Unified Buses, Make the Peripheral IC/uC Connection
 by Michael Smolin, David Graves, Keith Winter & Milton Schwartz
 Dr. Dobbs Ja p7 l S-100 Pro & Con Census by Bill Fuller
 Dr. Dobbs My p40 a Proposed Standard for the S-100 BUS by George Morrow
 Dr. Dobbs N p34 a The STD Bus: A Critical Look at a Proposed New Standard by Keith Britton
 EDN F 20 p97 a uC bus standardization--Will designers' needs be met? by Robert H Cushman
 EDN Ap5 p35 a Fiber-optic links in multi-uC systems by F Horbst & A Sauer
 EDN Ap5 p77 a uC bus standardization makes (dollars and) sense by Carol A Ogden
 Electronics Jy20 p113 a Microprocessor bus standard could cure designers' woes (Microbus)
 by Gordon Force
 Elec. Des. Ja18 p72 a When 1 uP controls another, the interface becomes the focal pt. IEEE488
 by Kenneth Gertz
 Elec. Des. Je21 p78 a Know a microcomputer's bus structure before choosing the uC
 by D Philip Burton & Arthur L Dexter
 Elec. Des. S 27 p88 a See how the IEEE488 bus works by designing a compatible a/d-d/a system
 by Joe Hootman
 Elec. Des. O 11 p220 a This bus handles different uPs just switch processor & program cards
 by Matt Biewer
 Elec. Des. N 22 p152 a Mating micros to the IEEE488 bus doesn't take many connections by Jim Farrell
 Interf. Age Ap p94 a Cost Effective Logic Analyzer for the S-100 Bus by Roger Edelson
 Interf. Age Je p118 a The Keyed-Up 8080: An Attractive Alternative Front Panel by Roger H Edelson
 Interf. Age Ag p122 a A Designer's Notes On The S-100 Bus Standard Proposal Prel. Specs.
 by Kells A Elmquist
 Kilobaud Ap p116 a Finally: 8080 Meets the Fairchild Video Game by Jim Huffman
 Kilobaud My p54 a Kilobaud Klassroom #10, Bus Traffic Control by George Young
 Kilobaud Jy p100 a Compatibility and the Altair Bus by Bill Fuller
 Kilobaud O p20 c Correction to Altair Compatibility (Kilobaud July '78)
 Kilobaud Ag p36 a Kilobaud Klassroom #11; Data and Address Buses by Peter A Stark
 Kilobaud S p21 a Microprocessor Interfacing Techniques by Austin Lesea & Rodney Zaks
 Kilobaud N p94 a What Is a Bus? by Erich A Peiffer
 Micro F p25 a TIM Meets the S-100 Bus by Gary L Tater
 Micro Ag p29 a 6502 Interfacing for Beginners: Address Decoding by Marvin L DeJong
 Micro D p5 a 6502 Interfacing for Beginners: Buffering the Busses by Marvin L DeJong
 Mini Micro Je p97 a Microcomputer Buses by Carol A Ogden
 Mini Micro Jy p76 a Microcomputer Buses -- Part 2 by Carol Ogden
 Mini Micro N p95 a Interfaces on a chip by Carol A Ogden
 PCW Je p69 a E78 The Europa Bus; A uProcessor Bus Spec. for EUROCARD
 by Bob Cottis, Dave Howland & Pat Crowe
 PCW Jy p76 c Correction for E78 Bus Specification (PCW Jun '78)
 PCW S p54 a Bus of the Century, The S-100 Bus by Francis E Cox
 Pop. Elec. Ja p77 a Computer Bits: Bus Systems by Hal Chamberlin
 Radio Elec. Ap p48 a All About The S-100 Bus by William Barden

KEYBOARD

Byte Ja p120 m When is ASCII Not ASCII?
 Byte Jy p98 a Build a Keyboard Function Decoder by Steve Ciarcia
 Byte Ag p156 a Let Your Fingers Do the Talking, A Touch Scanner for Your Video Display
 by Steve Ciarcia
 Byte O p151 c Correction: A Bug in the Scanner (Byte Aug '78 p156)
 Byte S p94 a Let Your Fingers Do the Talking; Scanner Applications by Steve Ciarcia
 Cr. Comput. Jy p43 a Interfacing with a Bit Pad by Robert Davis
 EDN Ja5 p27 a Simple hex keyboard provides program control by John F Czebiniak
 EDN Ja5 p32 a Keyboard-to-uP interface minimizes external logic by Roy Blacksher
 EDN Ja5 p90 a CMOS inverters implement finger-touch ON-OFF by Harrison Manell

KEYBOARD continued

EDN Ag5 p54 a CMOS Logic implements keyboard encoder by W H Hailey
 Electronics Ap13 p133 a Two diodes simplify hex-keyboard software by Neil Heckt
 Electronics My11 p125 a One chip controls keyboard and display by Lorne Trottier & Branko Matic
 Electronics My25 p128 a PROM converts push-button command to binary number by Marco A Brandestrini
 Elec. Des. Mr15 p138 a Field-programmable logic array decodes keyboard without debounce circuit
 by John A Glaab
 Elec. Des. S 13 p148 a Debounce with inverters or logic gates and out go the pull up resistors
 by Bob Cohn
 Elec. Des. D 6 p42 a Keyboards for up-based systems grow in versatility, performance
 by Jim McDermott
 Elec. Des. D 6 p120 a Expand a Keyboard matrix by adding isolation diodes to a key encoder
 by Gerald Buurma
 Ham Radio S p93 a Digital Keyboard Entry System by Glenn Williman & Bruce McNair
 Interf. Age Ja p56 a QWERTY Is Obsolete by Sid Owen
 Interf. Age F p96 a A Keyboard/Display Interface Peripheral on a Chip (8279) by Larry Grim
 Kilobaud Ja p98 a Software Keyboard Interface with a pittance of hardware! by Hal Chamberlin
 Kilobaud Ap p110 a Build a Touch-Response Display, and advance in human engineering
 by Ken Barbier
 Kilobaud Ap p120 c Correction: Build Your Own ASCII Keyboard (Kilobaud Sept '77) by Robert Breitm
 Kilobaud Je p57 a One Keyboard: Hex and ASCII by Edward Copes
 Modern Elec Je p60 a Keyboards: how to talk to computers by Peter A Stark
 Modern Elec S p33 a Build a Keyboard for Your Home Computer by H Dick Breidenbach
 PCW S p46 a The Hard Keyboard, A Byte Oriented Hex Keyboard by W McIvor
 Peoples N p49 a PET PAWS (Keyboard)
 Per. Comput. O p90 a GRI Keyboard; An Ideal Beginner's Kit by William L Colsher
 Pop. Elec. Ag p58 a The Versatile Keypad by Clement S Pepper
 Pop. Elec. O p74 a Build a Keyboard Conversion Circuit by Vaughn Martin
 Pop. Elec. N p113 a A Hexidecimal Keyboard Encoder
 Pop. Elec. D p86 a Adding RAM to a Hex Keypad Encoder
 73 Ap p92 a Now Anyone Can Afford A Keyboard - surplus keyboard, KIM, and software
 by John Eaton
 73 Je p100 a Low-Cost Keyboard-II - software for the April Keyboard by John Eaton
 73 Je p114 a Morrow's Marvelous Monitor - reviewing the Morrow front panel by Steve Eigsti

LANGUAGES: GENERAL

Byte Ap p149 a On Consumers' Languages and Standardization of Human Interfaces by Peter Mikes
 Byte My p163 a Standardization of High Level Languages: Some Questions by E M Greene
 Byte Je p38 a Natural Language Processing and Small Systems by Harry Tennant
 Byte Je p125 a Toward a Common Pseudocode for Expression of Programs by Richard Wingerter
 Byte Jy p152 a A High Level Language for 8 Bit Machines by Ted Williams & Steve Conley
 Byte Ag p16 a About the Cover (Pascal's Triangle) by Carl Helmers
 Byte S p166 a WADUZITDO: How to Write a Language in 256 Words or Less by Larry Kheriaty
 Byte N p100 a Defining a Language: PL/B by David Wilson
 Byte D p176 a On Expressing Multiple Condition by David Faught
 Comp. Des. N p158 a Interfacing Fund: Assembly Language or BASIC, Which Way to Go?
 by D Larsen, P Rony, C Titus & J Titus
 Cr. Comput. Ja p80 a Grammar as a Programming Language by Neil Rowe
 Cr. Comput. Jy p110 a What's the Best Computer Language?
 Dig. Design D p98 a uC Software by Lance Leventhal & William Walsh
 Dr. Dobbs My p4 a Programming Language Translation Techniques by William M McKeeman
 Dr. Dobbs N p18 a Programming Languages and Standards by David Chapman
 Elec. Des. Jy5 p64 a Fit your uC with the right software package by Max J Schindler
 Elec. Des. Jy19 p62 a Develop up software efficiently by using language and design tools
 by Michael Rooney
 Elem. Elec. N p67 a How to Speak in Computer Tongues by Norman Meyers
 Interf. Age Mr p152 a Interpreters VS. Compilers by Rick Gros
 Mini Micro O p90 a A high-level microcomputer language by Donald F Ferguson & Albert J Gibbons
 Modern Elec Ag p58 a Computer Languages by Peter A Stark
 Per. Comput. Mr p29 a Computer Languages, Tools of the Trade by Jef Raskin
 Per. Comput. Je p79 a Inside A Microcomputer: About programming Languages
 Per. Comput. S p97 a What's Coming Up: High Level Languages
 ROM Mr p12 a Missionary Position: Out On the Language Limb by Theodor Nelson
 ROM Mr p71 a Why Interpret? by Eben Ostby

LANGUAGES: APL

Byte Ja p137 b APL An Interactive Approach by Leonard Gilman & Allen Rose

LANGUAGES: APL continued

| | | | | |
|-------------|----|------|---|------------------------------------------------------------------------------------|
| Byte | F | p33 | m | APL Character Representations by David Sloan |
| Byte | F | p134 | m | Comments on APL Character Generators by Olav Naess |
| Byte | My | p143 | a | Comments on APL's Characteristics by John E Howland |
| Byte | My | p165 | a | Grappling with GRAPL: Some Choice Comments (Byte Nov '77) by Andrew Koenig |
| Byte | Je | p122 | a | An APL Interpreter: Further Thoughts by Tom Brightman |
| Byte | S | p40 | a | APL and Graphics by Eduardo Kellerman |
| Byte | D | p180 | l | Continuing Comments on APL by Timothy J Stryker |
| Cr. Comput. | Mr | p84 | a | An Evaluation of an Extended BASIC, an 8K BASIC, and a Micro-APL by Steve North |
| Peoples | My | p59 | a | APL Wants You! by Mokurai Cherlin |
| Peoples | S | p36 | a | APL as a Tiny Language by Mokurai Cherlin |
| Peoples | N | p35 | a | A Case for APL in Education by Howard A Peele |

LANGUAGES: BASIC

| | | | | |
|-------------|----|------|---|----------------------------------------------------------------------------------------------------------|
| Byte | Jy | p112 | a | BASIC to Assembly Language Linkage by Pat Fitzgerald |
| Byte | Jy | p117 | b | Instant Freeze-Dried Computer Programming in BASIC by Jerald R Brown |
| Byte | Ag | p168 | a | Pascal vs BASIC: And Exercise by Allan M Schwartz |
| Byte | N | p100 | a | Defining a Language: PL/B by David Wilson |
| Calc. Comp. | Ja | p34 | a | Techniques for Teaching BASIC to Beginners by LeRoy Finkel |
| Calc. Comp. | Ja | p38 | a | Excerpts from Teach Yourself BASIC Book 2 by Bob Albrecht |
| Calc. Comp. | F | p15 | a | BASIC for Teachers and Parents by Bob Albrecht & Karl Albrecht |
| Calc. Comp. | F | p60 | a | The FOR-NEXT Loop by Larry Trice |
| Calc. Comp. | F | p80 | a | Teaching BASIC to Beginners by LeRoy Finkel |
| Calc. Comp. | F | p84 | a | Excerpts from Teach Yourself BASIC Book 2 by Bob Albrecht |
| Calc. Comp. | Mr | p36 | a | Techniques for Teaching BASIC to Beginners by LeRoy Finkel |
| Calc. Comp. | Ap | p43 | a | BASIC for Parents and Teachers (Review) by Bob and Karl Albrecht |
| Calc. Comp. | Ap | p93 | a | Excerpts from Teach Yourself BASIC by Bob Albrecht |
| Calc. Comp. | My | p39 | a | NUMBERS, BASIC Language Demonstration Program/Game by Steve Robbins |
| Calc. Comp. | My | p54 | a | Excerpts from Teach Yourself BASIC Book 2 by Bob Albrecht |
| Calc. Comp. | My | p63 | a | BASIC for Parents and Teachers Part 4 by Bob and Karl Albrecht |
| Calc. Comp. | S | p4 | a | Big BASIC (Learning to write a Computer Game Program) by Flora Russ |
| Calc. Comp. | S | p91 | a | BASIC for Parents and Teachers by Bob Albrecht & Karl Albrecht |
| Calc. Comp. | N | p46 | a | PET BASIC for Parents and Teachers by Bob Albrecht & Karl Albrecht |
| Comp. Des. | Jy | p128 | a | Altair Timesharing BASIC by Susan Blumenthal & Stan Webb |
| Comp. Des. | N | p158 | a | Interfacing Fund: Assembly Language or BASIC, Which Way to Go? by D Larsen, P Rony, C Titus & J Titus |
| Cr. Comput. | Ja | p58 | a | The 8-hour Wonder, All About BASIC Programming in One Long Day by Thomas A Dwyer |
| Cr. Comput. | Mr | p84 | a | An Evaluation of an Extended BASIC, an 8K BASIC, and a Micro-APL by Steve North |
| Cr. Comput. | My | p80 | b | Fun With Computers and BASIC by Donald D Spencer |
| Cr. Comput. | N | p50 | b | 57 Practical Programs & Games In BASIC by Ken Tracton |
| Cr. Comput. | N | p116 | a | INDXA A BASIC Routine File Index by Rod Hallen |
| Cr. Comput. | N | p146 | a | Snowflake Plotting in ALGOL and BASIC by James Jones |
| Dr. Dobbs | F | p8 | a | BASIC Searcher/Patcher for MITS 4.0 or 4.1 BASIC by James Monagan |
| Dr. Dobbs | Mr | p4 | a | Renumbering & Appending BASIC Programs on the Apple II Computer by Steve Wozniak |
| Dr. Dobbs | Mr | p10 | a | Strubal: A Structured BASIC Compiler by Robert D Grappel |
| Dr. Dobbs | Je | p31 | a | LAZARUS, Program to Resurrect BASIC Programs on the APPLE-II Computer by Andy Hertzfeld |
| Dr. Dobbs | Je | p42 | a | A Z-80 Disassembler in TDL 8K BASIC |
| Dr. Dobbs | Ag | p34 | a | A BASIC Renumbering Program by John B Trenham |
| Dr. Dobbs | O | p13 | a | Quick and Dirty Functions for BASIC by Dennis Allison |
| Elem. Elec. | Mr | p79 | a | e/e Beginning Programming with BASIC |
| Interf. Age | F | p82 | a | Structured Programming In BASIC by Kamal Shah |
| Interf. Age | Ap | p140 | b | BASIC by Samuel L Marateck |
| Interf. Age | Ap | p141 | b | Some Common BASIC Programs by Lon Poole & Mary Borchers |
| Interf. Age | My | p133 | b | Beginning BASIC by Paul M Chirlian |
| Interf. Age | My | p160 | a | BASIC's Token of Good Fortune by Tim Ryan |
| Interf. Age | Je | p156 | a | DEBBI - Auser Report (Disk Extended BASIC by ICOM) by Jerald L Ripley |
| Interf. Age | D | p129 | a | PEEK and POKE A Total by Douglas L Jones |
| Kilobaud | Ja | p14 | b | An Introduction to BASIC by M R Eagle |
| Kilobaud | Ja | p50 | a | A Tale of Four BASICs which one for your 6800? Sphere, Pittman, SWTP, TSC by Rich Didday |
| Kilobaud | F | p7 | a | The BASIC Forum; Data Storage by John Arnold & Dick Whipple |
| Kilobaud | Mr | p6 | b | Advanced BASIC Applications and Problems by James S Coan |
| Kilobaud | Ap | p8 | a | The BASIC Forum: How Effective is BASIC? by John Arnold & Dick Whipple |

LANGUAGES: BASIC continued

| | | | | |
|----------------|----|------|---|-----------------------------------------------------------------------------------------|
| Kilobaud | My | p94 | a | Strings and Things, BASIC conversion techniques by Richard Roth |
| Kilobaud | Je | p11 | b | Simplified BASIC Programming by Gerald & Joan Silver |
| Kilobaud | Jy | p10 | a | The BASIC Forum, standardization by John Arnold & Dick Whipple |
| Kilobaud | Jy | p12 | b | Illustrating BASIC (A Simple Programming Language) by Donald Alcock |
| Kilobaud | Jy | p12 | b | Basic BASIC Programming by Anthony Peluso, Charles Bauer & Dalward DeBuzzi |
| Kilobaud | Ag | p44 | a | Mits vs North Star: Which Is Faster? by Fred R Ruckdeschel |
| Kilobaud | Ag | p110 | a | Can't Find It? SWTP BASIC Manual Index by Charles E Thomas |
| Kilobaud | S | p8 | b | BASIC and the Personal Computer by Thomas Dwyer & Margot Critchfield |
| Kilobaud | S | p112 | a | From Big BASIC to Tiny BASIC by William L Colsher |
| Kilobaud | O | p11 | b | The BASIC Workbook by Kenneth E Schoman |
| Kilobaud | O | p62 | a | Randomness is Wonderful. How is your BASIC's random number generator? by Bill Rogers |
| Kilobaud | D | p14 | b | BASIC for Home Computers--A Self Teaching Guide by Albrecht, Finkel & Brown |
| Kilobaud | D | p14 | b | Computer Programming in BASIC for Everyone by Thomas A Dwyer & Michael S Kaufman |
| Kilobaud | D | p14 | b | Introduction to BASIC by Jeffery B Morton |
| Mini Micro | O | p106 | b | Three Books on Programming in BASIC by Eileen Hemenway |
| Modern Elec | My | p46 | a | BASIC plain talk to your home computer by Peter A Stark |
| PCW | My | p42 | a | Basic Pontoon by Gilbert Percival |
| PCW | Je | p20 | a | BASIC The First Steps by Philip Couzens |
| PCW | Jy | p76 | b | Illustrating BASIC (A Simple Programming Language) by Donald Alcock |
| PCW | O | p8 | b | Some Common BASIC Programs by L Poole & M Borchers |
| PCW | N | p33 | a | How To Control Your BASIC Functions by Christopher Smith |
| Peoples | Ja | p36 | a | COMAL: Structured BASIC by Borge R Christensen |
| Peoples | Ja | p41 | a | PASCAL vs BASIC by David A Mundie |
| Peoples | My | p44 | a | The Little Book of BASIC Style by John M Nevison |
| Peoples | S | p27 | b | Illustrating BASIC by Donald Alcock |
| Per. Comput.Ja | | p44 | a | Illustrating BASIC (A Simple Programming Language) by Donald Alcock |
| ROM | F | p77 | a | Even More BASICally by Robert Fahey |
| ROM | F | p84 | a | Translate! (8K BASIC to Disk Basic) by Gordon Morrison |

LANGUAGES: TINY BASIC

| | | | | |
|-----------|----|-----|---|------------------------------------------------|
| Dr. Dobbs | Je | p34 | a | A Tiny BASIC Extensions Package by Leor Zolman |
| Dr. Dobbs | O | p3 | l | Editing Tiny BASIC by Richard Greenlaw |
| Kilobaud | O | p44 | a | Not so Tiny by Charles R Carpenter |
| Peoples | S | p34 | a | Decimals in Tiny BASIC by Milan D Chepko |

LANGUAGES: FORTRAN

| | | | | |
|------------|---|------|---|-------------------------------------------------------|
| Byte | D | p194 | a | FORTRAN and Its Generalizations by W Douglas Maurer |
| Mini Micro | O | p78 | a | The 8080 gets a "full blown" FORTRAN by Jack Hemenway |

LANGUAGES: PASCAL

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------------------------------|
| Byte | Ap | p150 | a | Concerning PASCAL: A Homebrew Compiler Project by Stephen P Smith |
| Byte | My | p46 | a | UCSD PASCAL: A (Nearly) Machine Independent Software System by Kenneth L Bowles |
| Byte | My | p136 | a | Comments on PASCAL, Learning How to Program, and Small Systems by Gary A Ford |
| Byte | Ag | p6 | e | A Vision of an Industry by Carl Helmers |
| Byte | Ag | p16 | a | About the Cover (Pascal's Triangle) by Carl Helmers |
| Byte | Ag | p46 | a | A Homebrew Pascal Compiler by Herbert Stein |
| Byte | Ag | p50 | a | Compilation and Pascal on the New Microprocessors by Charles H Forsyth & Randall J Howard |
| Byte | Ag | p78 | a | PASCAL A Structurally Strong Language by Stephen R Alpert |
| Byte | Ag | p110 | a | In Praise of Pascal by David A Mundie |
| Byte | Ag | p117 | a | A Proposed Pascal Compiler by Herbert Yuen & Kin-Man Chung |
| Byte | Ag | p122 | a | Pascal vs COBOL, Where Pascal Gets Down to Business by Ken Bowles |
| Byte | Ag | p168 | a | Pascal vs BASIC: And Exercise by Allan M Schwartz |
| Byte | S | p58 | a | A "Tiny" Pascal Compiler Part 1: The P-Code Interpreter by Kin-Man Chung & Herbert Yuen |
| Byte | O | p34 | a | A "Tiny" Pascal Compiler Part 2: The P-Compiler by Kin-Man Chung & Herbert Yuen |
| Byte | N | p134 | b | (Microcomputer) Problem Solving Using PASCAL by Kenneth L Bowles |
| Byte | N | p182 | a | A "Tiny" Pascal Compiler Part 3: P-Code to 8080 Conversion by Kin-Man Chung & Herbert Yuen |
| Byte | D | p179 | l | Pascal Critique and a Comment by J O'Loughlin |
| Cr. Comput. | S | p149 | a | PASCAL From BEGINning to END by Jim Merritt |

LANGUAGES: PASCAL continued

| | | | | |
|-------------|------|------|---|----------------------------------------------------------------------------------------|
| Dr. Dobbs | Mr | p16 | a | Status of the UCSD PASCAL Project by Kenneth L Bowles |
| Electronics | O 12 | p81 | a | Pascal becomes software superstar by John G Posa |
| Elec. Des. | S 13 | p82 | a | Pascal isn't just one more computer language Part 1 by Tim Krouse |
| Elec. Des. | S 27 | p80 | a | Powerful statements and a versatile syntax give Pascal program 'body' by Tim Krouse |
| Elec. Des. | N 8 | p100 | a | Pascal's I/O procedures are powerful, yet easy to master by Tim Krouse |
| Elec. Des. | N 8 | p106 | a | Versatile groupings and user-defined data types make Pascal really shine by Tim Krouse |
| Elec. Des. | D 6 | p106 | a | Moving bit patterns or word groups can be a struggle-but not in Pascal by Tim Krouse |
| Elec. Des. | D 20 | p78 | a | With a real time operating system, a Pascal program can run your testset by Tim Krouse |
| Interf. Age | Mr | p148 | b | PASCAL User Manual and Report, Second Edition by Kathleen Jensen & Niklaus Wirth |
| Kilobaud | N | p18 | b | Microcomputer Problem Solving Using Pascal by Kenneth L Bowles |
| Peoples | Ja | p41 | a | PASCAL vs BASIC by David A Mundie |

LANGUAGES: PILOT

| | | | | |
|-------------|----|-----|---|------------------------------------------------------------------------------------------------|
| Cr. Comput. | S | p68 | a | Profile: PET Cassettes from Peninsula School by Steve North |
| Dr. Dobbs | F | p43 | a | Mini-Editor for 8080 PILOT by Tim Scully |
| Dr. Dobbs | Ap | p22 | a | A Line Oriented PILOT Editor by David J Morgan |
| Dr. Dobbs | Ag | p46 | a | Common PILOT: Progress Report by Larry Kheriaty & George Gerhold |
| Interf. Age | S | p64 | a | PILOT: A Programming Language for Beginners by Rita May Liff & Keith Vann |
| Kilobaud | Mr | p66 | a | Programmed Instruction Made Easy: Tiny PILOT part 1: Language Descript. by Allen S Kreiger |
| Kilobaud | Ap | p70 | a | Programmed Instruction Made Easy: Tiny PILOT Part 2: developing your own by Allen S Krieger |
| PCW | O | p19 | a | PILOT Flies Across the Atlantic by John Coll |

LANGUAGES: TINY LANGUAGES

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------|
| Dr. Dobbs | S | p28 | 1 | Strubal vs Forth by Robert D Grappel |
| Interf. Age | S | p124 | a | Introduction to the TEX Language Part 2 by Robert W Bemer |
| Kilobaud | Je | p42 | a | Tiny BASIC Shortcuts by Charles R Carpenter |
| Peoples | Ja | p48 | 1 | Tiny Language Reader Feedback |
| Peoples | My | p34 | a | Tiny Language Talk by Sam Hills |
| Peoples | S | p36 | a | APL as a Tiny Language by Mokurai Cherlin |

LANGUAGES: OTHER LANGUAGES

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------|
| Byte | Ag | p122 | a | Pascal vs COBOL, Where Pascal Gets Down to Business by Ken Bowles |
| Cr. Comput. | My | p28 | a | Beginner's View of the SAM76 Language by Claude A Kagan |
| Cr. Comput. | S | p16 | c | Correction for SAM 76 (Cr. Computing May '78 p30) by Karl Nicholas |
| Cr. Comput. | S | p118 | a | SMAL/80 |
| Cr. Comput. | N | p146 | a | Snowflake Plotting in ALGOL and BASIC by James Jones |
| Dr. Dobbs | Ja | p18 | a | The SAM76 Language by Ancelme Roichel |
| Dr. Dobbs | Mr | p20 | a | ACT An 8080 Macroprocessor by Alex Cecil |
| Dr. Dobbs | Mr | p46 | l | SAM 76 - Additional Comments by Ancelme Roichel |
| Dr. Dobbs | Ap | p27 | a | ACT An 8080 Macroprocessor by Alex Cecil |
| Dr. Dobbs | My | p21 | a | FORTH for Microcomputers by John S James |
| Dr. Dobbs | Je | p45 | l | More Dope on NIBL by Mark Alexander |
| Dr. Dobbs | Je | p46 | a | SAM76 Language Update |
| Dr. Dobbs | S | p24 | a | Lisp for the M6800 by Frits Van Der Wateren |
| Dr. Dobbs | S | p26 | a | FORTH Dump Programs by John S James |
| Dr. Dobbs | N | p4 | a | A LISP Interpreter for the 8080 by Darrel VanBuer |
| Dr. Dobbs | N | p26 | a | BASEX: A Fast, Compact Interactive Compiler for Microcomputers by Paul K Warne |
| Dr. Dobbs | N | p44 | l | ASM76-Forth-Strubal by Ancelme Roichel |
| EDN | Je20 | p78 | a | What type of programming language best suits OEM designs? BSAL by Lawrence Gray |
| Electronics | Ag3 | p115 | a | High Level Languages ease uC programming by J Lynn Saunders & Larry E Lewis |
| Elec. Des. | S 1 | p110 | a | A structured higher-level language, English like TLC by Tony Karp & Marilyn Karp |
| Interf. Age | Ag | p144 | a | Introduction to the TEX Language by Robert W Bemer |
| Interf. Age | O | p126 | a | Introduction to the TEX Language Part 3 by Robert W Bemer |
| Mini Micro | N | p86 | a | Z-80 COBOL - a big league language in a little machine by Eileen & Jack Hemerway |
| PCW | Ag | p39 | a | Getting It Together, Assemblers & Assembly Language by Mike Banahan |

LANGUAGES: OTHER LANGUAGES continued

| | | | | |
|---------|----|-----|---|--------------------------------------------------------------------------------|
| PCW | S | p32 | a | Getting It Together, Build Your Own Assembler by Mike Banahan |
| PCW | O | p55 | a | Getting It Together (Z-80 Assembler) by Mike Banahan |
| PCW | N | p27 | a | Getting It Together Build Your Own Assembler Listing Continued by Mike Banahan |
| Peoples | Ja | p36 | a | COMAL: Structured BASIC by Borge R Christensen |
| Peoples | S | p27 | b | The C Programming Language by Brian Kernighan & Dennis M Ritchie |
| ROM | Ja | p36 | a | TLC The Visual Programming Language by Tony Karp |
| ROM | Ja | p64 | a | The Computer and Natural Language by Joseph Weizenbaum |
| ROM | F | p44 | a | Assemblers by Eben Ostby |
| ROM | Mr | p74 | a | LISP is a Nifty Language by Eben Ostby |

LOGIC CIRCUITS & FUNDAMENTALS

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------------------------|
| Byte | F | p25 | a | Some Musings on Boolean Algebra by Dan Bunce & Art Schwartz |
| Byte | Jy | p118 | c | Correction for: Musings On Boolean Algebra (Byte Feb '78 p26) |
| Kilobaud | Ja | p74 | a | Kilobaud Klassroom #8 pulses—and more pulses by George Young |
| Kilobaud | F | p76 | a | Kilobaud Klassroom #9 Counters and Registers by George Young |
| Kilobaud | My | p84 | a | Number Crunching: 2 Hardware Solutions, faster & smoother than Software by Adam Osborne |
| Kilobaud | Ag | p36 | a | Kilobaud Klassroom #11; Data and Address Buses by Peter A Stark |
| Kilobaud | O | p110 | a | Build a One-Chip Single Stepper by Philip Ngai |
| PCW | My | p32 | a | The Gates of Reason; An Introduction to Computer Logic by Michael Whitney |
| PCW | Jy | p16 | a | The Gates of Reason: Standard Logic by Patrick Sutton |
| PCW | D | p21 | a | Hints on System Design by Mike Dennis |
| Pop. Elec. | F | p82 | a | Experimenter's Corner: The Schmitt Trigger by Forrest M Mims |
| Pop. Elec. | Mr | p84 | a | Experimenter's Corner: Three-State Logic by Forrest M Mims |
| Pop. Elec. | Ap | p50 | a | Micro-Processor Microcourse; Part 2. Basic Digital Logic by Forrest M Mims |
| Pop. Elec. | Je | p88 | a | Experiments with Programmable Logic Arrays by Karl Lunt |
| Radio Elec. | D | p63 | a | How to Design Digital Circuits by Jerry Woolsey |
| 73 | Ja | p40 | a | IC Timer Review |
| 73 | Ja | p188 | a | Logical Logic |

MATH: GENERAL

| | | | | |
|-------------|----|------|---|--------------------------------------------------------------------------------------------------------------|
| Byte | Ja | p150 | a | A Novice's Eye on Computer Arithmetic by Wayne Ledder |
| Byte | F | p25 | a | Some Musings on Boolean Algebra by Dan Bunce & Art Schwartz |
| Byte | Jy | p118 | c | Correction for: Musings On Boolean Algebra (Byte Feb '78 p26) |
| Byte | Ap | p156 | b | Scientific and Engineering Problem Solving with the Computer by William Ralph Bennett |
| Byte | My | p104 | a | How to Multiply in a Wet Climate Part 2: Design Details by Jack Bryant & Manot Swasdee |
| Byte | My | p151 | l | Reading Strings: A Novice's Eye on Computer Arithmetic (Byte Jan '78) by Eric Hamilton |
| Byte | Je | p109 | a | Those Calculating Romans by Laurence G Dishman |
| Byte | S | p114 | a | Math in the Real World by Joel Boney |
| Byte | S | p156 | a | Graphic Manipulations Using Matrices by Joel C Hungerford |
| Byte | N | p34 | a | Functional Approximations by Fred Ruckdeschel |
| Byte | D | p14 | a | Fast Fourier Transforms on Your Home Computer by William D Stanley & Steven J Peterson |
| Byte | D | p128 | a | Clockless Multiplication and Division by Mike Weed |
| Calc. Comp. | Ja | p15 | a | When Does a Fraction Yield a Terminating Decimal? (Calculator) by Rick Billstein & Johnny W Lott |
| Calc. Comp. | Ja | p71 | a | Comparison of Numerical Problem Solving Under 3 Types of Calc. Condition by Dennis M Roberts & Shawn M Glynn |
| Calc. Comp. | Ja | p77 | a | Finding Roots with a Four-Function Calculator by Douglas E Scott |
| Calc. Comp. | Ja | p82 | a | Squares. Square Roots, & the Quadratic Formula by George McCarty |
| Calc. Comp. | F | p69 | a | Numerical Problem Solution as a Function of Calculation Mode & Task Diff by Dennis M Roberts & Shawn M Glynn |
| Calc. Comp. | F | p74 | a | Comments & Notes from Finding The Klingon in Your Calculator by John J Wavrik |
| Calc. Comp. | Mr | p57 | a | Repeating Decimals by Gerald R Smith |
| Calc. Comp. | Mr | p63 | a | Effects of Method, Prepractice & Instructional Work on Problem Solving by Dennis M Roberts & Lawrence Fabrey |
| Calc. Comp. | Ap | p16 | a | PHANTNUM An Elementary Mathematics Game by Howard A Peelle |
| Calc. Comp. | Ap | p29 | a | A Monadic Module Alias A Unary Unit by J F Weaver |
| Calc. Comp. | Ap | p36 | a | Calculator Arithmetic by David Moursund |
| Calc. Comp. | Ap | p64 | a | More About Repeating Decimals by Janet Morris |
| Calc. Comp. | Ap | p69 | a | Calculator Experiments for Junior High by Frank S Toth |
| Calc. Comp. | Ap | p74 | a | Computational Perf. with Different Calc. Methods & Task Difficulties by Dennis Roberts & Jackie Lerner |

MATH: GENERAL continued

Calc. Comp. My p58 a Learning Mathematics Through Programming by Douglas W Clark
 Calc. Comp. My p79 a Some Monadic/Dyadic Combos by J F Weaver
 Calc. Comp. S p12 l Program to solve or Mean, Standard Deviation and "Normal Curve" SR-56
 by David W Johnston

Calc. Comp. N p42 a Random Numbers & Pocket Calculators by Mark Zimmermann
 Calc. Comp. N p50 a Measuring Triangles, A Lesson to Discover the Pythagorean Property
 by Marlinde Jurgenson

Calc. Comp. N p60 a Two Kinds of Random Numbers by Douglas E Scott
 Calc. Comp. N p65 a Computer Supplemented Calculus by Kendell Hyde & David Tolman
 Comp. Des. F p111 a Numerical Interpolation for uProcessor Based Systems by Thomas A Sein
 Comp. Des. Ap p168 a uC Interfacing: Integer Addition & Subtraction
 by C Titus, J Titus, P Rony & D Larsen

Comp. Des. My p214 a uC Interfacing: Integer Multiplication & Division
 by Peter Rony, David Larsen, Chris Titus & Jon Titus

Comp. Des. Je p113 a Software Analyses for Combinatorial Logic by John L Pokoski
 Cr. Comput. Ja p126 a The Square Root of 4 is Not 2, It's 1.99999 by Philip Stein
 Cr. Comput. Jy p70 a Short Programs: Convergence Revisited by George Ball
 Cr. Comput. S p30 a The Origin of the Times Sign? by John F Rogers
 Cr. Comput. S p69 a Computer Simulations and Problem-Solving in Probability by John S Camp
 Cr. Comput. S p171 a Theorem Proving by Bryant W York
 Cr. Comput. N p98 a Random Thoughts on RND by Thomas N Ronayne
 Dig. Design Je p52 a Array Processing, Eases High-Speed Vector Computation by Allan S Margulies
 Elec. Des. Ja18 p78 a Multiplying with a microcomputer by Anthony Kolodzinski & David Wainland
 Interf. Age S p130 a On A Bi-Lingual Math Tutoring Program by Marvin Mallon
 Interf. Age O p74 a A Special Function Approximation Method and its Application
 by Dr Endre Simonyi

Kilobaud Mr p42 a Number Crunching Time, algebra the easy way by Mel Baker
 Kilobaud My p48 a Computer Math Primer, beginner's introduction to number systems by Peter Stark
 Kilobaud My p84 a Number Crunching: 2 Hardware Solutions, faster & smoother than Software
 by Adam Osborne

Kilobaud N p18 b A History of Pi by Petr Beckmann
 Micro Ag p15 a Apple Pi by Robert J Bishop
 PCW S p19 a Precisely Speaking by Sheridan Williams
 PCW N p19 a An Agile Algorithm by R E L Ferguson
 PCW N p21 a Prime Numbers Competition by Sheridan Williams
 PCW N p25 a A Way With Waves (Sine) by Gordon Bell
 PCW N p26 a Aligning the Decimal Point by Sidney A Leleux
 Per. Comput. Ap p53 a Fishing the MOD Way, (Modulus Arithmetic) by O E Dial
 Per. Comput. My p75 a Math For Minors by Mike Donahue

MATH: PROBLEMS & PUZZLES

Byte O p122 a Solving the Eight Queens Problem by Terry Smith
 Byte N p135 a Hextext by Thomas J Dunsheath
 Calc. Comp. Ja p46 a The Problem Corner (Social Chains) by Art Hiatt
 Calc. Comp. F p35 a recycle The Tin Can Problem by Donald Clyde
 Calc. Comp. F p46 l Solution for Tin Can Problem (SR-56) (CC Nov '77 p57) by David W Johnston
 Calc. Comp. Mr p5 a Bagels and Jotto; Logic Games for the Computer (or Paper and Pencil)
 by Joanne Koltnow Verplank

Calc. Comp. Mr p90 a The Problem Corner: Special Sums by Art Hart
 Calc. Comp. S p86 a The Problem Corner by Joe Yee
 Calc. Comp. N p73 a Problem Solving What Are Problems?
 Comp. Des. Jy p67 a State of the Art in High Speed Arithmetic Integrated Circuits by Shlomo Waser
 Comp. Des. D p144 a External Arithmetic Processors
 Cr. Comput. Ja p54 a Puzzles & Problems: Debugging the Raise, Cubiquiz, Perfect Rectangle
 Cr. Comput. Mr p42 a Game and Puzzle Cards by Stan Laird
 Cr. Comput. Mr p132 a Short Programs...Convergence
 Cr. Comput. My p46 a The Mechanical Mouse, Can You Flowchart His Maze Path?
 by John Maniates & James S Quasney

Cr. Comput. My p66 a Puzzles & Problems
 Cr. Comput. My p68 a The Perfect Puzzle for Computer Mathematics by Lynn D Yarbrough
 Cr. Comput. My p70 a Computer Conversations
 Cr. Comput. S p64 a Puzzles & Problems
 Cr. Comput. S p146 a 40 Programming Ideas by J Cletheroe
 Cr. Comput. N p115 a Puzzles & Problems: Odd One Out, Inspired Gifts, Series Limits
 Kilobaud N p98 a Lucas' Puzzle by William L Colsher
 Per. Comput. Ap p46 a Algorithms and Flow Diagrams, Step-By-Step Problem Solving by B A Scott
 Per. Comput. My p82 a The Computer Solves the Four Color Map Problem by Willard E Matheson

MATH: PROBLEMS & PUZZLES continued

Per. Comput. Jy p30 a Petals Around the Rose Revisited by Ken Jackman

MEDICAL APPLICATIONS

Cr. Comput. Jy p48 a The Telltale Heart: EKG Processing by Microcomputer by Farhad Forbes, Harry Garland & Takao Tsuiki

EDN F 5 p19 a uC-based key-to-speech synthesizer gives stroke victims a voice by Sam Davis

Interf. Age F p72 a Pertec Disk Speeds Up Diagnosis in an Israeli Hospital by Linda Folkard-Stengel

Interf. Age Jy p64 a The Bedside Microcomputer In the Intensive Care Nursery by Robert C A Goff

Interf. Age Jy p76 a Medical Applications of Microcomputers; Current and Future Technology by Dick Moberg

Interf. Age D p30 a Micro Medicine by Wm V Weiss

Interf. Age D p74 a It's Not a Big Miracle; Diabetes by Mathew Tukulsky

Kilobaud Je p32 a A Strategy for Healthy Living by Al Gerbens

PCW Je p61 a The Computer is just what the doctor hasn't ordered by Robert Johnson

PCW Jy p74 a Computing and Deafness by T J Allen

PCW S p57 a Microcomputers and Mental Health by John A Rose

PCW D p34 a Meet Mickie, The Well Mannered Micro, Medical Interviewing Computer by Nigel Bevan

Peoples Mr p34 a Microcomputer Communication for the Handicapped by Tim Scully

MEMORY: GENERAL

Byte Mr p186 a The Intelligent Memory Block; Adding Processors to Enhance Performance by Kenneth R Castleman

Byte Je p6 e Memory: The Growth of a Resource by Carl Helmers

Calc. Comp. F p27 a uComputers and Video Disc Systems: Magic Lamps for Educators? by Ludwig Braun

Comp. Dec. Mr p58 a List of MEDIA Vendors

Comp. Des. My p175 a Single Error Correcting Code Maximizes Memory System Efficiency by S Sanyal & K N Venkataraman

Comp. Des. S p130 a Software-Based Single Bit I/O Error Detection & Correction Scheme by George M White

Cr. Comput. Ja p68 a Human Memory Processes by Susan Hastings

Dig. Design Ap p40 a Semiconductor Memory Design

Dig. Design My p46 a Edge Activated Memories by Sam Young

Dig. Design O p42 a Today's Semiconductor Memories: Architecture, Applications & Processing by George Landers

Dig. Design O p48 a New Mass Memories: How will they impact your next design by Hank Brineen

Dr. Dobbs S p42 a Vocal Memory Dump by Phil Mork

EDN F 20 p40 a Mini mass storage, Putting the squeeze on tape and disc memories by John Conway

EDN S 20 p89 a Reconfigurable memory scheme suits 8 or 16 bit words by Carol A Ogdin

EDN N 20 p251 a EDN Software Systems Design Course by Jack Hemenway

Electronics F 16 p117 a Digital Design: scaling new heights by Laurence Altman

Electronics O 12 p142 a Processor's PROM decoder extends addressing capabilities by Robert S Rodgers

Electronics O 26 p127 a MEMORIES, technology update by Raymond P Capice

Interf. Age Mr p100 a Computer Tutorial Part II Storage Devices Or, Memories Are Made of This by Roger H Edelson

Interf. Age Ap p115 a Computer Tutorial - Part III Memories Remembered by Roger Edelson

Kilobaud Ja p60 a Hardware Program Relocation the way the biggies do it by Michael Wingfield

Kilobaud Mr p74 a Back-up Techniques how fail-safe is your system? by William L Colsher

Mini Micro Ja p34 a Microcomputer Storage Media, Rundown on memory devices by Carol Ogdin

Mini Micro F p32 a The Outlook for Bubble Memory Devices

Mini Micro Je p81 a A Mini Gets A Virtual Memory by Wayne L Teeter

Modern Elec D p10 a Computers: RAM? ROM? PROM? Don't Be Confused by Pete Stark

Pop. Elec. Mr p96 a Computer Bits: Microcomputer Memory by Hal Chamberlin

Spectrum Ja p36 a Technology '78, Solid State Devices: Memories and Microprocessors by Edward A Torrero

MEMORY: DISKS, FLOPPY & HARD

Byte Ja p58 a A Floppy Disk Interface by David M Allen

Byte Mr p46 c Correction for A Floppy Disk Interface (Byte Jan '78 p61)

Byte Je p94 c Correction for A Floppy Disk Interface (Byte Jan '78 p61) by Howard Oels

Byte F p114 a A Minifloppy Interface by David Allen

Byte Mr p178 a Interfacing the Sykes OEM Floppy Disk Kit to a Personal Computer by Phil Hughes

Byte Je p128 a Big Disks Must Be Managed Properly by Charles A Rovira

Byte Je p174 a A Look at Shugart's New Fixed Disk Drive by Chris Morgan

MEMORY: DISKS, FLOPPY & HARD continued

| | | | | |
|--------------|------|------|---|-------------------------------------------------------------------------------------------------|
| Byte | D | p168 | a | Partitioned Data Sets by A I Halsema |
| Comp. Dec. | Mr | p48 | a | The Care and Testing of Disk Packs by William J Walters |
| Comp. Des. | My | p192 | a | Floppy Disc-Based Emulator Replaces Paper Tape Reader by Kenneth W Fisher |
| Comp. Des. | Je | p103 | a | Design Considerations for Dual-Density Diskette Controller by John Worden |
| Comp. Des. | S | p122 | a | Design/Application Considerations of Non vs Sealed Fixed Head Disc Units by Mark Mougel |
| Cr. Comput. | My | p44 | a | Profile: M.S.I. Floppy Disk by Steve North |
| Dig. Design | Ja | p24 | a | the case for Ruggedized Fixed Head Disk Memories |
| Dig. Design | Ap | p65 | a | Evaluating Eisk Drives for Optimal Cost/Performance by James L Patterson |
| Dig. Design | Je | p24 | a | Magnetic Media Maintenance. Saves mC/uC Data by Lewis A Whitaker |
| Dig. Design | Jy | p26 | a | Designing a PDP-11/LSI-11 Floppy Disk System by Joe Haddox |
| Dig. Design | Jy | p30 | a | Floppy Disks-How Do They Stack Up? |
| Dig. Design | N | p24 | a | New Magnetic Disk Cleaning Methods Save Disk & Data by Paul M Deviro |
| Dig. Design | D | p20 | a | Hard Disk Drives by Kent Winton & James Patterson |
| Dig. Design | D | p30 | a | Floppy Disk Drives by William R Miller |
| Dig. Design | D | p46 | a | Magnetic Memories (media) by Robert Katzrire |
| Dr. Dobbs | S | p38 | a | Dumping Northstar Disk Files by Titus Purdin |
| Dr. Dobbs | N | p40 | a | Coying a Diskette on Intel Double Density DOS by Paul M Julich |
| EDN | My20 | p129 | a | Floppy-disc controller design must begin with the basics by Austin Lesea & Rodney Zaks |
| EDN | Je20 | p98 | a | Add floppies to your uC to form a real uC system by Jack E Hemenway |
| EDN | Ag20 | p115 | a | A floppy-disc interface is more than just a chip by Carol A Ogdin |
| Electronics | Ap13 | p106 | a | New arrivals in the bulk storage inventory by Laurence Altman |
| Electronics | N 23 | p127 | a | Second-generation microcontrollers take on dedicated function tasks by John Beaston |
| Elec. Des. | Je7 | p76 | a | Lower-cost hard-disc memory systems fill gaps in price & performance by Andy Santoni |
| Elec. Des. | Ag16 | p51 | a | Densities, access, reliability-good and getting better in floppies by Andy Santoni |
| Elec. Des. | S 13 | p90 | a | LSI controller makes it easier to tie a floppy drive to a computer by Subhash Bal & Mike Wright |
| Interf. Age | Mr | p76 | a | Floppy ROM Loading Techniques by Orv Balcom |
| Interf. Age | Ap | p145 | a | Floppy ROM Loading Techniques Part II by Orv Balcom |
| Interf. Age | My | p70 | a | How To Load Floppy ROM #4 and Notes on IAPS by Alan Miller |
| Interf. Age | Ag | p20 | c | Correction for FMIAPS (6800) (Interface Age May '78) by B F Sedlack |
| Interf. Age | My | p144 | a | An Interrupt Driven Floppy Disk Controller for the S-100 Bus by Robert Wright & Chester P Quinn |
| Interf. Age | S | p60 | a | How to Load Floppy ROM Number 5 by Bill Turner & Carl Warren |
| Interf. Age | N | p42 | a | The Inventors Scratchpad: The Floppy Disk Jukebox by Roger Garrett |
| Kilobaud | F | p96 | a | How Good Is Tarbell's Floppy Interface? Part 1: Overview by Larry Fukumoto |
| Kilobaud | Ap | p40 | a | How to Make Your SMTP System Happy, give it a couple of floppies! by Mickey Ferguson |
| Kilobaud | My | p76 | a | The North Star Floppy System. an 11-year-old can build it! by Howie DiBlasi |
| Kilobaud | D | p106 | a | Scratched Diskette? Use the other side. by Morris J Miller |
| Mini Micro | N | p38 | a | Floppy Disk Systems, Drive Selection Guide by Steifel |
| Mini Micro | N | p58 | a | LSI Floppy Controller Chips by Joseph DeVita |
| Mini Micro | N | p64 | a | Double Density Floppy Disk Controllers by Peter Moore |
| Per. Comput. | Mr | p72 | a | Facts on Floppies (Selection Guide) by Chip A Tyeti |
| Per. Comput. | Jy | p89 | a | Product Close-Up: North Star Micro-Disk System |
| Pop. Elec. | N | p104 | a | How to Care for Diskettes by Leslie Solomon |
| 73 | My | p100 | a | How Good Is the North Star Disk? - and why is it getting so popular by R J Bosen |

MEMORY: PROM & ROM

| | | | | |
|-------------|------|------|---|--------------------------------------------------------------------------------------------|
| Byte | Ja | p131 | 1 | Getting UV Bulbs for Coffe Can Special (Byte Jan '77 p 91) by Stephen Pumple |
| Byte | Mr | p84 | a | Program Your Next EROM in BASIC by Steve Ciarcia |
| Byte | Ap | p62 | c | Correction for Program EROM in Basic (Byte Mar '78 p88) by Tim Walters |
| Byte | Jy | p11 | 1 | Designers Beware: Some 2716 Confusion by David Marke |
| Byte | D | p100 | a | Zapper, A Computer Driven EROM Programmer by G H Gable |
| Comp. Des. | Ap | p115 | a | Current Semiconductor Memories by Eugene R Hnatek |
| EDN | Je5 | p22 | a | EPROM's will soon overtake PROM's as new parts, price change usage by Paul Franson |
| EDN | Je20 | p30 | a | Today's wide range of PROM programmers demands care in selection (Guide) |
| EDN | Ag20 | p99 | a | MNOS devices remember after the lights go out by Rema Reddy |
| EDN | N 20 | p237 | a | Using EAROMs with your uC requires some special tricks by Carol A Ogdin |
| Electronics | Mr30 | p94 | a | Here come the big, new 64-K ROMs by Laurence Altman |
| Electronics | Ap13 | p119 | a | Say it in a high-level language with 64-K read only memories by Rudy Langer & Thomas Dugan |

MEMORY: PROM & ROM continued

| | | | | |
|--------------|------|------|---|-------------------------------------------------------------------------------------------|
| Electronics | Jy6 | p106 | a | Single-supply erasable PROM saves power with C-MOS process by Gopal Ramachandran |
| Elec. Des. | Mr29 | p82 | a | Evaluate UV EPROM data retention to get the best unit by Robert Woods |
| Elec. Des. | Jy5 | p40 | a | ROMs and PROMs are moving to greater densities, compatibility by Dave Barnes |
| Elec. Des. | Jy19 | p42 | a | More speed, greater density keep PROMs in the game against EPROMs by Dave Barnes |
| Elec. Des. | S 1 | p126 | a | Stop dropped bits in EPROMs by John E Griffin |
| Interf. Age | Mr | p156 | a | Software Aid for Firmware Production by Owen F Thomas |
| Interf. Age | D | p92 | a | Vector Graphic Inc. PROM/RAM Board An Easy Storage for Overhead Programs by Roger Edelson |
| Interf. Age | D | p94 | a | Building An Inexpensive 2708 EPROM Programmer by Darrel J VanBuer |
| Kilobaud | Mr | p90 | a | Faster Erase Times, build a quicker EPROM eraser by Mike L Simon |
| Kilobaud | Ap | p98 | a | Avoid Program Loading and Reloading, new 4K EPROM board from SWTP by Harley D Johnson |
| Kilobaud | Jy | p94 | a | Simple and Low-Cost PROM Programmer by Tom Hayek |
| Kilobaud | S | p84 | a | Kilobaud Klassroom #12; ROM and RAM Memories by Peter A Stark |
| Kilobaud | S | p100 | a | Super Cheap 2708 Programmer by James Grina |
| Mini Micro | Ap | p52 | a | PROM Programmers, A Guide by Jerry D Rempelberg |
| Mini Micro | S | p82 | a | Non-Volatile Memories for Micros by Carol A Oggdin |
| PCW | Jy | p56 | a | Putting Bits In Their Place, A Simple 2708 Programmer by David Goadby |
| Per. Comput. | My | p87 | a | PROM Boards & PROM Programmers, Waltzing Your Micro to the PROMs by Chip A Tyeti |
| Pop. Elec. | F | p41 | a | Low-Cost EPROM Programmer 1702A by Dan Vincent |
| Pop. Elec. | Mr | p55 | a | Low-Cost EPROM Programmer Part 2 by Dan Vincent |
| Radio Elec. | D | p43 | a | Making PROM's Work For You by Robert H Penoyer |

MEMORY: RAM

| | | | | |
|-------------|------|------|---|-----------------------------------------------------------------------------------------------------------|
| Byte | Jy | p42 | a | Who's Afraid of Dynamic Memories? by Lane T Hauck |
| Comp. Des. | Ja | p117 | a | DMA Controller Capitalizes on Clock Cycles to Bypass CPU by Joseph Nissim |
| Comp. Des. | F | p164 | a | Magnetic Bubble Memory Devices & Applications by Eric R Garen |
| Comp. Des. | Ap | p115 | a | Current Semiconductor Memories by Eugene R Hnatek |
| Comp. Des. | Ag | p122 | a | Interfacing Fundamentals: The 8085 Family of Memory Devices by C Titus, J Titus, D Larsen & P Rony |
| Comp. Des. | Ag | p140 | a | An Add-in Recognition Memory for S-100 Bus Microcomputers by Sydney Lamb |
| Comp. Des. | S | p162 | a | An Add-In Recognition Memory for S-100 Bus Microcomputers Struc. & Specs by Sydney Lamb |
| Comp. Des. | O | p136 | a | LSI Bipolar FIFO Memory Increases Periperal Controller Speed by Paul Chu |
| Comp. Des. | O | p182 | a | An Add-In Recognition Memory for S-100 Bus uComputers, Applications by Sydney Lamb |
| Dr. Dobbs | Ag | p41 | l | Fix and Manual Correction for Processor Tech's GPM by Ed Elizondo |
| EDN | F 20 | p85 | a | Build a versatile memory system that accepts 4k or 16k RAM's by David Wooten |
| EDN | Mr20 | p49 | a | Expand FIFO arrays with minimum speed loss by Krishna Rallapalli |
| EDN | Ap5 | p44 | a | Add-in memories, recent chip developments produce system improvements by Paul G Schreier |
| EDN | Ap5 | p120 | a | On-board backup supply protects volatile RAM data by F Robert Quinlivan |
| EDN | O 20 | p82 | a | Safe supply manages MOS memories by Robert Pease |
| Electronics | F 2 | p109 | a | System design with dynamic memories takes attention to detail by Stephen Calebotta |
| Electronics | F 16 | p80 | a | 65-K RAMs won't slight performance by Laurence Altman |
| Electronics | Ap13 | p106 | a | New arrivals in the bulk storage inventory by Laurence Altman |
| Electronics | Je22 | p133 | a | CCDs bring solid-state benefits to bulk storage computers by Bruce Threewitt |
| Electronics | Ag17 | p107 | a | Dual-port RAM hikes throughput in I/O controller board by Craig Kinnie & Michael Maerz |
| Electronics | S 28 | p109 | a | 64K dynamic RAM needs only one 5 volt supply to outstrip 16K parts by G R Mohan & John Hewkin |
| Elec. Des. | F 1 | p34 | a | Forget the bugs in 4k and 16k RAMs-the big news is at 64k by Andy Santoni |
| Elec. Des. | Ap26 | p84 | a | Keep the memory interface simple between dynamic RAMs and a uP by Gary Fielland & Ken Oishi |
| Elec. Des. | My10 | p130 | a | Avoid losing data when line power returns to battery backup RAM syst. by Alan W Barman |
| Elec. Des. | Jy19 | p80 | a | Add a standby battery to a RAM and make a nonvolatile memory by Patrick W Boyle & Robert F Wentin |
| Elec. Des. | Ag2 | p41 | a | Wide-word RAMs are smart enough to work with the latest uPs by Sheff Eaton, Dave Huffman & Ward Parkinson |
| Elec. Des. | Ag2 | p76 | a | Charge-coupled devices for bulk storage make sense by Charles B Mitchell |
| Elec. Des. | Ag16 | p88 | a | Single-chip CCD memory really delivers: 64kbit TMS3064 by David Sitrick |
| Elec. Des. | S 13 | p64 | a | Single-supply 16-k dynamic RAM is ready for denser systems by Edward Metzler & James Oliphant |

MEMORY: RAM continued

| | | | | |
|--------------|------|------|---|---------------------------------------------------------------------------------------------------|
| Elec. Des. | S 27 | p27 | a | 64-k dynamic RAMs are here with high speed, low power by Dave Bursky |
| Elec. Des. | D 20 | p72 | a | Take the 'dynamics' out of dynamic RAMs with an IC controller by Bruce McCormick & Craig Peterson |
| Interf. Age | My | p156 | a | Computer Tutorial Part IV More Memories by Roger H Edelson |
| Interf. Age | Jy | p104 | a | Computer Tutorial-Memories; CCD, Magnetic Bubbles or Buckets and Bubbles by Roger Edelson |
| Interf. Age | D | p92 | a | Vector Graphic Inc. PROM/RAM Board An Easy Storage for Overhead Programs by Roger Edelson |
| Kilobaud | Ja | p42 | a | Has Godbout Done It Again? Econoram II: \$150 assembled by Mark Garetz |
| Kilobaud | F | p32 | a | In Search of Memory Vandenberg Data Products 16K board reviewed by Heinz Gf. Matuschka |
| Kilobaud | Mr | p73 | a | Protect Your Memory against power failure by Charles R Carpenter |
| Kilobaud | Ap | p80 | a | Blue is the Color. Solid State Music is the company (Memory, video, etc) by Joe Kasser |
| Kilobaud | S | p84 | a | Kilobaud Klassroom #12; ROM and RAM Memories by Peter A Stark |
| Micro | O | p12 | a | MDS 16K RAM for the Apple II by Allen Watson |
| Mini Micro | D | p71 | a | Add-On Memories by Malcolm L Stiefel |
| Per. Comput. | F | p44 | a | Big Memories for Micros (Selection Guide) by Chip A Tyeti |
| Pop. Elec. | Ja | p67 | a | Experimenter's Corner: Read/Write Memories (RAM's), Part 2 by Forrest H Mims |
| Spectrum | Ap | p22 | a | An Update: CCD and Bubble Memories by Dean Toombs |
| Spectrum | My | p36 | a | CCD & Bubble Memories: System Implications by Dean Toombs |
| 73 | Ap | p102 | a | Godbout Strikes Again - ECONORAM: an outstanding value by Rod Hallen |
| 73 | Jy | p110 | a | RAMmed By Morrow - ECONORAM III lauded by Rod Hallen |

MEMORY: TAPE, MAGNETIC & PAPER

| | | | | |
|-------------|------|------|---|---------------------------------------------------------------------------------------------|
| Byte | Ja | p161 | a | Mounting a Paper Tape Reader by Jack Bryant |
| Byte | Jy | p162 | a | How to Get Your Tarbell Going by Larry Weinstein |
| Byte | N | p146 | c | Correction for: Getting Your Tarbell Going (Byte July '78 p 164) |
| Byte | O | p142 | a | A Simpler Digital Cassette Tape Interface by Ralph W Burhans |
| Byte | N | p160 | a | A Cassette Interface Switching Box for the TRS-80 by Craig Anderton |
| Dig. Design | Ja | p22 | a | Calculator Program Aids Tape Drive Design |
| Dig. Design | Mr | p56 | a | Phase Encoding in Digital Cassette Recording by Maqsood Mohd |
| Dig. Design | Je | p24 | a | Magnetic Media Maintenance. Saves mC/uC Data by Lewis A Whitaker |
| Dig. Design | Jy | p16 | a | Error Detection and Correction for Mag Tape Recording by Anthony P Herff |
| Dig. Design | Jy | p20 | a | Use Tape Drives for more storage by Peter A Gilbody |
| Dig. Design | Jy | p98 | a | Need Low-Cost Data Storage? Try Mini-Cassettes by R M Duffy |
| Dig. Design | D | p34 | a | Reel to Reel Tape Drives by Bill Barton & Marty Gray |
| Dig. Design | D | p40 | a | Cartridge Tape Drives by Robert Von Behren |
| Dig. Design | D | p46 | a | Magnetic Memories (media) by Robert Katzrire |
| Dig. Design | D | p50 | a | Digital Tape Subsystems by Lewis Frauenfelder & Dick Van Pelt |
| Dr. Dobbs | Je | p18 | a | AUTODUMP: A Memory Dumper for POLY88 Tape System by Richard B Emerson |
| Dr. Dobbs | Je | p24 | a | High Speed Cassette I/O for the KIM-1 by Theodore E Bridge |
| Dr. Dobbs | Ag | p31 | a | Fast Cassette Interface for the 6502 by Carl Moser |
| Dr. Dobbs | Ag | p42 | a | Custom File Routines for ALS-8 by Larry Marek |
| EDN | F 5 | p39 | a | Low-cost system requirements multiply interface headaches (tape control) by Paul G Schreier |
| EDN | Mr20 | p101 | a | A tape-to-uC-hardware interface requires a wealth of utechniques by John Conway |
| EDN | My5 | p75 | a | Standard 3M recording technique could spur low-cost uC use (tape) by Joel A Kramer |
| EDN | Ag5 | p107 | a | Digital cassette tape drives boost uC system versatility by Jack E Hemenway |
| Electronics | Je6 | p122 | a | Processor to cassette interface helps slash data storage cost by Pawell Mikulski |
| Electronics | Ag31 | p124 | a | Time-encoding system formats cassette tapes by Fathi Saleh |
| Elem. Elec. | Mr | p42 | a | Kansas City Computing, Paper and Magnetic Tape Techniques by Herb Friedman |
| Elem. Elec. | N | p75 | a | e/e checks out the...PERCOM CIS-30 Recorder Interface |
| Interf. Age | Ja | p104 | a | Turning Toward MECA (Tape Drive and Control) by Carl Denver Warren II |
| Interf. Age | F | p144 | a | TAPEMON: An 8080 Binary Tape Monitor by Alan R Miller |
| Interf. Age | Mr | p76 | a | Floppy ROM Loading Techniques by Orv Balcom |
| Interf. Age | Ap | p145 | a | Floppy ROM Loading Techniques Part II by Orv Balcom |
| Interf. Age | My | p70 | a | How To Load Floppy ROM #4 and Notes on IAPS by Alan Miller |
| Interf. Age | Ag | p20 | c | Correction for FMIAPS (6800) (Interface Age May '78) by B F Sedlack |
| Interf. Age | Je | p146 | a | IAPS: International ASCII Publication Standard; Making Tapes on 8080 Sys by Alan R Miller |
| Interf. Age | S | p96 | a | Heathkit Model H10 Paper Tape Reader/Punch. A Review by Roger Edelson |
| Interf. Age | N | p90 | a | Interface An MPU to a Cassette Tape Recorder by John Wharton |
| Kilobaud | Ja | p106 | a | One Byte at a Time with Morrow's I/O cassette board by Gary Alevy |
| Kilobaud | F | p19 | 1 | How About a "Hyper" ACR? by Joe McCarty |

MEMORY: TAPE, MAGNETIC & PAPER continued

| | | | | |
|------------|----|------|---|----------------------------------------------------------------------------------------------------|
| Kilobaud | Mr | p34 | c | Correction for Hyper About Slow Load Times (Kilobaud Nov '77 p68) |
| Kilobaud | Mr | p40 | a | Hear It and See It! foolproof cassette operation by Stephen Gibson |
| Kilobaud | Ap | p64 | a | Memory Debugging, which chip is it? by Albert Brunelli |
| Kilobaud | My | p110 | a | Cassette Recorder Disaster: Ground Loops, the problem, and a solution by Dave Waterman & Dave Lien |
| Kilobaud | Ag | p48 | a | Kansas City Standard—At 1200 Baud by Rod Hallen |
| Kilobaud | Ag | p94 | a | Copying Computer Cassettes by Peter A Stark |
| Kilobaud | S | p106 | a | Something Extra in Mass Storage, Alpha 1 Tape Unit by Heinz Gf. Matuschka |
| Kilobaud | O | p96 | a | The Software Patchcord, Software fix for tape duplication problems by Marc I Leavay |
| Kilobaud | D | p44 | a | The Care and Feeding of Cassette Tapes by Lewis Tarnopol |
| Kilobaud | D | p70 | a | Two Interface Boards from Teletek; Serial, Tape by Mitchell Wolrich & Jeff DeTray |
| Micro | O | p39 | a | Cassette Tape Controller by Fred Miller |
| Micro | D | p35 | a | SYM-1 Tape Directory by John Gieryic |
| PCW | Jy | p59 | a | PUNCH LINES. Interfacing a Westrex Punch to a 6800 System by Mark Colton |
| PCW | D | p64 | a | A High Speed Cassette Interface by Bob Cottis & Mike Blandford |
| Peoples | Jy | p44 | a | Tape Talk (PET) by Phyllis Cole |
| Pop. Elec. | N | p94 | a | A Cassette Control System for Computers (TRS-80) by A A Mangieri |
| 73 | My | p112 | a | Semi-Instant Program Loading - bauding up the SWT 6800 by Jack G Starr |

MEMORY: TEST

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------|
| Byte | O | p12 | a | A Memory Sensitivity Test by Don Kinzer |
| Byte | O | p58 | a | Testing Memory in BASIC by Russell E Adams |
| Dr. Dobbs | Ja | p4 | a | Memory Test for 6502 by Carl Moser |
| Dr. Dobbs | My | p28 | a | Resident Memory Test Systems: With an Example for the 6800 by Terry Ritter |
| Dr. Dobbs | Ag | p39 | l | M6809 Memory Test by Kenneth Drexler |
| EDN | S 5 | p72 | a | 8080 routine performs memory check by Fred Gutman |
| Electronics | D 21 | p119 | a | A quick march checks memory (6800) by A James Laurino |
| Elec. Des. | S 13 | p118 | a | Speed 4-k or 16-k RAM evaluation with a low-cost raster scan tester by Jim Lockhart |
| Kilobaud | Jy | p70 | a | It's Here: Cook's Memory Test 8080 by Rod Hallen |
| Micro | O | p25 | a | A Memory Test Program for the Commodore PET by Michael J McCann |
| 73 | S | p112 | a | RAM Checkout's A Snap - this tiny program does the job by Rod Hallen |

MICROCOMPUTERS: GENERAL

| | | | | |
|-------------|------|------|---|---------------------------------------------------------------------------------------|
| Byte | Jy | p124 | a | How to Choose a Microprocessor by Lou Frenzel |
| Byte | O | p65 | a | In Defense of Analog? (Analog Computers) by F D Sodamann |
| Cr. Comput. | Ja | p41 | a | How Would You Like a 16-Bit Computer? by Webb Simmons |
| Cr. Comput. | N | p44 | a | Operating Systems Q & A by John Craig |
| Dig. Design | D | p100 | a | Microcomputers |
| Electronics | S 28 | p85 | a | Soviet computers: better than expected by Anthony Durniak |
| Electronics | O 26 | p138 | a | Technology update, Microprocessors and Microcomputers by Raymond P Capece |
| Electronics | O 26 | p152 | a | Technology Update: Computers (large) by Anthony Durniak |
| Interf. Age | F | p46 | a | ...From the Fountainhead by Adam Osborne |
| Interf. Age | Mr | p34 | a | ...From the Fountainhead by Adam Osborne |
| Kilobaud | O | p90 | a | View from the Far East by Art Becker |
| Mini Micro | Mr | p30 | a | The Chinese Micro Is Coming by Bohdan O Szuprowicz |
| Mini Micro | D | p46 | a | Technology Trends in Desktop Computers by Edward Ross & Lewis Solomon |
| Modern Elec | Jy | p20 | a | Home Computers: what's new for you by Bob Margolin |
| PCW | My | p55 | a | Direct Addressing: Where to get your Personal Computer, Hard-& Soft-ware by John Coll |
| Pop. Elec. | Je | p110 | a | Computer Bits by Leslie Solomon |
| Radio Elec. | Je | p38 | a | Personal Computers Are They Right For You? by William Barden |
| Radio Elec. | Je | p43 | a | Peripherals—arms and legs by Karl Savon |

MICROCOMPUTERS: DESIGN

| | | | | |
|------------|----|------|---|------------------------------------------------------------------------------------------|
| Byte | My | p104 | a | How to Multiply in a Wet Climate Part 2: Design Details by Jack Bryant & Manot Swasdee |
| Byte | Jy | p60 | a | The Z-80 in Parallel by Bob Loewer |
| Byte | D | p26 | a | Designing a Universal Turing Machine: A Software Approach by Thomas Munnecke |
| Comp. Des. | Ja | p117 | a | DMA Controller Capitalizes on Clock Cycles to Bypass CPU by Joseph Nissim |
| Comp. Des. | Mr | p81 | a | Design Motivations for Multiprocessor Computer Systems by George Adams & Thomas Rolander |
| Comp. Des. | S | p101 | a | Designing Interrupt Structures for Multiprocessor System by Rajen Jaswa |
| Comp. Des. | D | p77 | a | Integrating Peripherals Into Processing Systems by Reinholdt J Eufinger |

MICROCOMPUTERS: DESIGN continued

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------------------------------------------------|
| Dig. Design | Ja | p40 | a | Microcomputers part 2: The Development System |
| Dig. Design | Ap | p33 | a | Programmable Controllers, Push uCs Beyond 64 Interrupts by John Beaston |
| EDN | My5 | p119 | a | Multiprocessor uP systems present advantages and pitfalls by Howard Raphael |
| EDN | N 20 | p251 | a | EDN Software Systems Design Course by Jack Hemerway |
| EDN | N 20 | p313 | a | Ten Proven design rules maximize your uSystem successes by John Conway |
| Electronics | My11 | p132 | a | Managing the flow of data is easy with programmable multiplexer by Dave Wyland |
| Electronics | Jy6 | p98 | a | Minicomputer architecture links past and future generations by Peter Christy |
| Elec. Des. | Ja4 | p126 | a | Build a microprocessor-development system by Dr William Wilke |
| Elec. Des. | Mr15 | p72 | a | Multiprocessing boosts microcomputer power dramatically. by Kalman Rozsa |
| Elec. Des. | Ap26 | p96 | a | Improved uP interrupt capability gives efficient access to peripherals by Masatoshi Shima & Roy Blacksher |
| Elec. Des. | My24 | p238 | a | Multiprocessing adds muscle to uPs by Dan Moss |
| Elec. Des. | S 13 | p106 | a | Weigh hardware and software options to optimize your uP design solutions by Patrick H Stakem |
| Elec. Des. | O 11 | p226 | a | Make the most of bit-slice flexibility & design High perf. processors by Richard L Horton, Larry Coopersmith & Robert Bergler |
| Elec. Des. | D 6 | p60 | a | Can an uC development system be 200 times more powerful than another? by Max J Schindler |
| Kilobaud | F | p16 | a | uComputers/uProcessors: Hardware, Software & Applications by Hilburn & Julich |
| PCW | D | p16 | a | Microcomputer Architecture by Patrick Sutton |
| PCW | D | p21 | a | Hints on System Design by Mike Dennis |
| Pop. Elec. | My | p56 | a | Micro-Processor Microcourse Part 3 Memories, Buses & uP Organization by Forrest M Mims |
| Pop. Elec. | Je | p48 | a | Micro-Processor Microcourse Part 4 PIP-2 Educational Microprocessor by Forrest M Mims |
| Pop. Elec. | Jy | p67 | a | Micro-Processor Microcourse Part 5: The Control Section of PIP-2 by Forrest M Mims |

MICROCOMPUTERS: FUNDAMENTALS

| | | | | |
|--------------|-----|------|---|------------------------------------------------------------------------------------------|
| CQ | Mr | p24 | a | Computers... How They Function by Theodore J Cohen |
| Calc. Comp. | Ja | p90 | a | The Inside Story About Personal Computers Part 3 by Bob Albrecht |
| Calc. Comp. | F | p92 | a | The Inside Story About Personal Computers by Bob Albrecht |
| Calc. Comp. | Mr | p76 | a | The Inside Story About Personal Computers Part 5 by Bob Albrecht |
| Cr. Comput. | Ja | p45 | a | Topics in Logic, Turing Machines by John Lees |
| Cr. Comput. | N | p49 | b | Small Computer Systems for Business by Gerald A Silver |
| EDN | Ap5 | p111 | a | Interactive intelligence--the key to competitive uP-based products by Robert H Cushman |
| Elem. Elec. | S | p35 | b | Microprocessors from Chips to Systems by Rodnay Zaks |
| Interf. Age | F | p42 | a | Programming the Human Computer: Microcomputer Courses by Merl Miller |
| Interf. Age | F | p92 | a | Computer Tutorial Part I An Introduction to the World of Home Computers by Roger Edelson |
| Interf. Age | F | p138 | b | An Introduction to Microcomputers Vol 0, The Beginner's Book by Adam Osborne |
| Interf. Age | Ap | p140 | b | Getting Involved With Your Own Computer by Leslie Solomon & Stan Veit |
| Kilobaud | Ja | p60 | a | Hardware Program Relocation the way the biggies do it by Michael Wingfield |
| Kilobaud | Ap | p12 | b | An Introduction to Microcomputers Vol II by Osborne, Jacobsen, Kane |
| Kilobaud | My | p16 | b | An Introduction to Microcomputers Volume 0, The Beginners Book by Adam Osborne |
| Kilobaud | Je | p12 | b | Home Computers: Questions and Answers by Rich Didday |
| Kilobaud | Je | p92 | a | Two Systems Sharing the Same Bus by Mark Boyd |
| Kilobaud | Jy | p12 | a | Introduction to Microcomputers & Microprocessors by Arpad Barna & Dan I Porat |
| PCW | S | p16 | a | So You're Interested In Personal Computing by Brian Hewart |
| PCW | N | p42 | b | An Introduction to Microcomputers by Adam Osborne |
| Peoples | Mr | p14 | b | An Introduction to Microcomputers Vol. 0 The Beginners Book by Adam Osborne |
| Per. Comput. | Ja | p24 | a | Scaling the Cliffs of Computer Mastery Part I by Ramond Howell |
| Per. Comput. | Je | p21 | a | Microcomputers in One Easy Lesson |

MICROCOMPUTERS: SELECTION GUIDES

| | | | | |
|-------------|------|------|---|------------------------------------------------------------------------------------|
| Byte | Jy | p124 | a | How to Chose a Microprocessor by Lou Frenzel |
| CQ | F | p29 | a | Computers...Do You Really Want One? by Robert L Stites |
| Cr. Comput. | Ja | p41 | a | How Would You Like a 16-Bit Computer? by Webb Simmons |
| Cr. Comput. | S | p102 | a | Considerations in Buying a Personal Computer by Karl L Zinn |
| Cr. Comput. | N | p70 | a | Smart Electronic Games and Video Games by David H Ahl |
| Cr. Comput. | N | p76 | a | First Annual Buyer's Guide to Consumer Computers by Steve North |
| Dig. Design | Mr | p68 | a | What You Should Know About Selecting a uC by Alex Goldberger |
| Dig. Design | Ag | p18 | a | Minis or Micros? It's the application that really counts (DEC) by Jack MacKeen |
| Dig. Design | Ag | p42 | a | Minis vs Micros, OEM Decision-Making Risks Grow by Richard Davis |
| EDN | Ap20 | p24 | a | Personal Computers: Expensive toys or efficient problem solvers? by Sam Davis |
| EDN | N 20 | p205 | a | As the uC-board market shakes out... uC Board selection guide by Robert M Grossman |

MICROCOMPUTERS: SELECTION GUIDES continued

| | | | | |
|--------------|------|-----|---|--------------------------------------------------------------------------------------------|
| Elec. Des. | Ja18 | p24 | a | Time was when a mini was a mini. micro was a micro and picking was easy by Max J Schindler |
| Elec. Des. | My24 | p82 | a | Microcomputer Data Manual (board selection guide) |
| Elec. Des. | Je21 | p86 | a | Microcomputers: Single-chip or single-board? by Terry Benson |
| Elec. Elec. | N | p22 | a | Choose a Computer as Logically as if You Were a Computer too! by Neil Shapiro |
| Interf. Age | Je | p32 | a | ...From the Fountainhead; Selecting a System by Adam Osborne |
| Interf. Age | Jy | p90 | a | Computer Implementation In A Small Business; Selecting Computer Hardware by Roger Williams |
| Interf. Age | O | p61 | a | 1978 INDEX Microcomputer and Minicomputer Hardware |
| Mini Micro | My | p70 | a | Who's Who In Personal Computers by Adam Osborne |
| Mini Micro | Jy | p29 | a | SuperMinis: Selection Guide by Malcolm L Stiefel |
| Mini Micro | O | p63 | a | Configuring an LSI-11 System Selection guide by William L Palya |
| PCW | N | p52 | a | Benchmarks Again and Connections by John Coll |
| Per. Comput. | F | p41 | a | Bewitched, Bothered and Bewildered? Selecting a Micro with these ideas by William Miller |
| Per. Comput. | N | p60 | a | A Feast of Microcomputers by Morris Firebaugh, Luther Johnson & William Stone |
| ROM | Ja | p58 | a | Home Computers A Look at What's Coming by Jules H Gilder |
| Radio Elec. | F | p45 | a | Hobby Computer Main-Frames by Chester H Lawrence |
| Radio Elec. | Mr | p70 | a | Hobby Computer Mainframes |
| Radio Elec. | Ap | p51 | a | On The S-100 Bus (Selection Guide) |
| Radio Elec. | Je | p59 | a | Personal Computers Directory |
| Spectrum | S | p30 | a | Personal Computers for the Entrepreneur by Don Mennie |

MICROCOMPUTERS: ALTAIR

| | | | | |
|-------------|----|------|---|----------------------------------------------------------------------------------------|
| Byte | Jy | p119 | a | Beating North Star--MITS Incompatibility (Load MITS BASIC on N. Star) by Alan R Miller |
| Cr. Comput. | Mr | p122 | a | Inventory Control: Altair Software Distribution Co. |
| Kilobaud | Mr | p92 | a | I/O Programming for the Altair Disks ain't no big deal by Don Alexander |
| Kilobaud | Jy | p74 | a | Eliminating Finger Blisters, replacement front panel by Peter W Sargent |
| Kilobaud | O | p20 | c | Correction to Altair Compatibility (Kilobaud July '78) |

MICROCOMPUTERS: APPLE

| | | | | |
|--------------|----|------|---|-----------------------------------------------------------------------------------------|
| Byte | Mr | p18 | a | An Apple to Byte; One User's Review of the Apple II by Carl Helmers |
| Byte | D | p208 | a | Resonating Modulators by Allen WatsonIII |
| Cr. Comput. | Jy | p28 | a | Profile: Apple II Computer by Steve North |
| Cr. Comput. | Jy | p30 | a | High-Resolution Graphics for the Apple II by Gary D Dawkins |
| Cr. Comput. | N | p46 | a | Apple-Cart by Richard A Milewski |
| Dr. Dobbs | Mr | p4 | a | Renumbering & Appending BASIC Programs on the Apple II Computer by Steve Wozniak |
| Dr. Dobbs | Je | p31 | a | LAZARUS. Program to Resurrect BASIC Programs on the APPLE-II Computer by Andy Hertzfeld |
| Elem. Elec. | My | p65 | a | e/e checks out the...Apple II Computer |
| Kilobaud | N | p62 | a | The Remarkable Apple II by Robert J Bishop |
| Micro | Ja | p19 | a | Ludwig von Apple II (Music) by Marc Schwartz |
| Micro | F | p8 | a | Machine Language Used In "Ludwig von Apple II" by C R Carpenter |
| Micro | F | p13 | a | Printing with the Apple II, Telpar PS-40-3C by C R Carpenter |
| Micro | Ap | p27 | c | Apple II Printing Update (Micro Feb '78) by C R Carpenter |
| Micro | F | p28 | a | The Apple II Power Supply Revisited by Rod Holt |
| Micro | Ap | p32 | a | A Worm in the Apple? by Mike Rowe |
| Micro | Ap | p45 | a | An Apple-II Programmer's Guide by Rick Auricchio |
| Micro | Je | p18 | a | Half A Worm In The Apple by Mike Rowe |
| Micro | Je | p21 | a | A Slow List for APPLE BASIC by Bob Sander-Cederlof |
| Micro | Je | p44 | a | Apple II Accessories and Software by Chuck Carpenter |
| Micro | Ag | p11 | a | Shaping Up Your Apple by Michael Faraday |
| Micro | Ag | p15 | a | Apple Pi by Robert J Bishop |
| Micro | Ag | p33 | a | Brown and White and Colored All Over (Apple Color) by Richard F Suitor |
| Micro | Ag | p45 | a | APPLE Integer BASIC Subroutine Pack and Load by Richard F Suitor |
| Micro | O | p31 | a | Apple Calls and Hex-Decimal Conversion by Marc Schwartz |
| Micro | O | p43 | a | Apple II High Resolution Graphics Memory Organization by Andrew E Eliason |
| PCW | D | p11 | a | An Apple II Page 1 Map by M R Connolly |
| Peoples | Ag | p50 | a | Colour Is An Apple II, PCW Review by John Coll & Charles Sweeten |
| Per. Comput. | My | p14 | a | APPLE II by Phyllis Cole |
| Per. Comput. | Je | p99 | a | Product Close Up: The Apple II Microcomputer |

MICROCOMPUTERS: ELF & VIP

| | | | | |
|-----------|---|-----|---|---------------------------------------------------------|
| Dr. Dobbs | S | p47 | 1 | COSMAC Elf. Experience and Comparisons by John B Palmer |
|-----------|---|-----|---|---------------------------------------------------------|

MICROCOMPUTERS: ELF & VIP continued

| | | | | |
|--------------|----|------|---|----------------------------------------------------------------------------|
| Kilobaud | N | p108 | a | Modify Your COSMAC Elf by Thomas E Hutchinson |
| Kilobaud | D | p40 | a | Interfacing the Elf II by Robert J Cotter |
| PCW | Jy | p22 | a | A Mighty Micromite: A COSMAC uP Based System by K R James |
| Per. Comput. | My | p77 | a | The ELF II, A Small Beginning by Howard G Drake |
| Pop. Elec. | F | p65 | a | How to Upgrade a Basic ELF Microcomputer by Edward M McCormick |
| Pop. Elec. | Mr | p62 | a | Expanding the ELF II by Martin Meyer |
| Pop. Elec. | O | p7 | l | ELF II Improving the Improvement by Henry Tolbert |
| Pop. Elec. | N | p98 | a | A TIC-TAC-TOE Game for your ELF Computer by Edward M McCormick |
| 73 | F | p82 | a | Put An Elf In Your Keyer - sneaky computer strikes again by Jeff Duntemann |

MICROCOMPUTERS: HEATH

| | | | | |
|--------------|----|------|---|---------------------------------------------------------------------------------------------------------|
| Byte | Mr | p185 | a | Get On at the Right Address (Bootstrap for the 8080) by Frank S Holman |
| Byte | Mr | p186 | a | The Intelligent Memory Block; Adding Processors to Enhance Performance by Kenneth R Castileman |
| Byte | Ap | p28 | a | Part 1: Use and Basis for a Design (About TRW MPY-8AJ-M Multiplier Chip) by Jack Bryant & Manot Swasdee |
| Byte | S | p147 | a | Making an H9 Understand Lower Case by George J Frye |
| Byte | O | p70 | a | PAM/8: A New Approach to Front Panel Design by Gordon Letwin |
| Byte | O | p130 | a | Assembling the H9 Video Terminal by Terry T Steeden |
| Byte | N | p158 | a | Product Description: Heath Microprocessor Training System by W N Hubin |
| Cr. Comput. | Ja | p38 | a | Equipment Profile: Heath H-8 System by John Lees & Steve North |
| Dr. Dobbs | Ja | p3 | c | The Heath H-8 "Evaluation": I Think We Blew It (DDJ Oct '77 p10) by Jim C Warren |
| Dr. Dobbs | Ja | p5 | l | Concern That H-8! by Craig A Pearce |
| Dr. Dobbs | S | p30 | a | MAKING A NEW case FOR THE HEATH H-9 TERMINAL by Howard L Nurse |
| Dr. Dobbs | N | p22 | a | The Heath H-8 System by Tom Williams |
| Elem. Elec. | N | p61 | a | e/e checks out the...Heathkit H8 Home Computer |
| Interf. Age | Je | p102 | a | Using the Heathkit H8 System in Home, and Business Applications by Richard S Arnold |
| Interf. Age | Je | p128 | a | A Buyer's and Builder's Guide to the Heathkit H8 System by Richard S Arnold |
| Interf. Age | Je | p142 | a | A 24-Line Display for the Heath H9 by Stephen L Sama |
| Interf. Age | Ag | p19 | c | Correction for A 24 Line Display For Heath H9 (Interf Age June '78) by Stephen Sama |
| Interf. Age | S | p19 | c | Corrections on The Heath H9 Terminal (Interface Age June '78) by William Richter & John M Higdon |
| Interf. Age | D | p108 | a | A Review of the Heath H11 Microcomputer by Barry A Andrews |
| Kilobaud | Ja | p15 | a | The Heathkit Forum by Charles Floto |
| Kilobaud | Je | p46 | a | Baudot...er...Murray. Meet the H8 by Howard L Nurse |
| Kilobaud | Ag | p70 | a | The Do-It-Yourself System: Heath's H8 Is a Winner! by Robert M Morgan |
| Kilobaud | S | p52 | a | The Heath/DEC Connection (Part 1: Overview of the H11 System) by Steven B Lionel |
| Kilobaud | O | p36 | a | The Heath/DEC Connection (Part 2) H10, H9 by Steven B Lionel |
| Modern Elec | Je | p26 | a | First Impressions: using the Heathkit home computer H8 by Carmine W Prestia |
| Modern Elec | O | p79 | a | Adding a Printer to Your Heath H8 Computer by Carmine Prestia |
| Peoples | My | p7 | a | Heathkit's H8 Computer System by Tom Williams |
| Peoples | Jy | p12 | a | H-8 Revisited by Tom Williams |
| Per. Comput. | Ag | p37 | a | Building a Benton Harbor Micro by Bill & Katha Endress |

MICROCOMPUTERS: KIM

| | | | | |
|-------------|----|------|---|------------------------------------------------------------------------------|
| Byte | F | p62 | a | SWEETS for KIM; A Low Calorie Text Editor by Dan Fylstra |
| Byte | N | p146 | c | Correction: Sweets for KIM Spurned (Byte Feb '78 p62) by Ernst Schumacher |
| Byte | Jy | p12 | a | KIMER: A KIM-1 Timer by Robert Baker |
| Byte | O | p156 | c | Timely Comments On KIM (Reference to Byte July '78 p12) by Charles H Parsons |
| Byte | S | p123 | a | Plugging the KIM-2 Gap by M Garth Notley |
| Cr. Comput. | My | p79 | b | The First Book of KIM and other KIM Related Books |
| Cr. Comput. | N | p104 | a | GAMES--NOT JUST FOR FUN Unvarnished Truth About KIM? by Jim Butterfield |
| Dr. Dobbs | Mr | p13 | a | A KIM Binary Calculator by John Eaton |
| Dr. Dobbs | My | p34 | a | EDITHA, A Revision of the Fylstra KIM-1 Editor Program by H T Gordon |
| Dr. Dobbs | Je | p24 | a | High Speed Cassette I/O for the KIM-1 by Theodore E Bridge |
| Dr. Dobbs | S | p33 | a | A Programmable IC Tester for KIM by Joel Swank |
| Ham Radio | N | p74 | a | uP: IC Tester Using the KIM I by Robert E Babcock |
| Kilobaud | Ja | p36 | a | Growing with KIM expansion PC board by John Eaton |
| Kilobaud | Mr | p34 | c | Correction for Growing with KIM (Kilobaud Jan '78 p 39) |
| Kilobaud | F | p16 | b | The First Book of KIM by Butterfield, Ockers & Rehne |
| Kilobaud | F | p68 | a | Expand Your KIM! Part 3: bus control board and memory by John Blankenship |
| Kilobaud | F | p118 | a | How Much Memory for a KIM? is 28K enough? by R W Burhans |
| Kilobaud | Mr | p84 | a | Expand Your KIM! part4: a TTY substitute by John Blankenship |

MICROCOMPUTERS: KIM continued

| | | | | |
|----------|----|------|---|-----------------------------------------------------------------------------------------|
| Kilobaud | My | p60 | a | Expand Your KIM Part 5: A/D interfacing (for joysticks!) by John Blakenship |
| Kilobaud | Jy | p60 | a | A Sensible Expansion: Atwood Memory for your KIM by David Swindle |
| Kilobaud | S | p58 | a | Do-It-All Expansion Board for KIM by George Young |
| Kilobaud | O | p26 | a | Budget System with KIM by Jim Trageser |
| Kilobaud | N | p60 | a | Do It with a Kimsil by Rick Grossman |
| Micro | Ja | p14 | b | The First Book of KIM |
| Micro | Ja | p25 | a | Improving KIM-1 Keyboard Reliability |
| Micro | Ja | p27 | a | Important Addresses of KIM-1 and Monitor by William R Dial |
| Micro | F | p3 | a | Employing the KIM-1 Microcomputer as a Timer and Data Logging Module by Marvin L DeJong |
| Micro | F | p38 | a | Lighting the KIM-1 Display by Marvin L DeJong |
| Micro | Ap | p43 | a | A KIM Beeper by Gerald C Jenkins |
| Micro | Je | p24 | c | Correction or A KIM Beeper (Micro Apr '78 p43) |
| Micro | Je | p39 | a | A Block HEX Dump and Character Map Utility Program for the KIM-1 by J C Williams |
| Micro | Ag | p25 | a | A Debugging Aid For The KIM-1 by Albert Gaspar |
| PCW | Ag | p24 | a | A Mighty Micromite: The KIM-1 Evaluation Unit by C Corbett |
| Peoples | Ja | p34 | b | The First Book of KIM by Jim Butterfield, Stan Ockers & Eric Rehne |
| 73 | F | p68 | a | KIM-1 Can Do It! by Clifton W Pittelkau |
| 73 | F | p76 | a | Looking or A Micro?—Consider the KIM-1 by Francis J O'Reilly |
| 73 | Ap | p84 | a | The exterminator - for buggy KIMs by Dana Lasher |
| 73 | Ap | p92 | a | Now Anyone Can Afford A Keyboard - surplus keyboard, KIM, and software by John Eaton |
| 73 | Ag | p100 | a | The Kalkulating KIM-1 - calculator versatility for any KIM by Dana Lasher |
| 73 | D | p170 | a | RTTY with the KIM --one more step by Kim H Lantz |

MICROCOMPUTERS: NORTH STAR

| | | | | |
|-------------|----|------|---|----------------------------------------------------------------------------------------|
| Byte | Jy | p119 | a | Beating North Star--MITS Incompatibility (Load MITS BASIC on N. Star) by Alan R Miller |
| Byte | O | p141 | a | Converting North Star's Deletion Characters by Alan R Miller |
| Cr. Comput. | N | p54 | a | Profile: The "Most-Software" Machine..North's Star Complete Sys: Horizon by John Craig |
| Dr. Dobbs | S | p38 | a | Dumping Northstar Disk Files by Titus Purdin |
| Interf. Age | Je | p153 | a | The Westminster XEK Assembler for the North Star Disk by Alan R Miller |
| 73 | My | p100 | a | How Good Is the North Star Disk? - and why is it getting so popular by R J Bosen |

MICROCOMPUTERS: OHIO SCIENTIFIC

| | | | | |
|-------------|----|-----|---|---------------------------------------------------------------------|
| Cr. Comput. | My | p42 | a | Profile: OSI Challenger IIP by Neil Shapiro |
| Dr. Dobbs | Ja | p6 | l | Challenging Challenger's ROMs, 6502 Disassembler by Stephen P Smith |
| Dr. Dobbs | Mr | p3 | c | 6502 Disassembler Fix (DDJ Jan '78) by Stephen P Smith |
| Dr. Dobbs | Ag | p39 | c | Yet Another 6502 Disassembler Fix (DDJ Jan '78 p6) by Bennett Meyer |
| Micro | Ja | p23 | a | The Challenge off the OSI Challenger by Joel Henkel |

MICROCOMPUTERS: PET

| | | | | |
|-------------|----|------|---|------------------------------------------------------------------------|
| Byte | Mr | p114 | a | User's Report: The PET 2001 by Dan Fylstra |
| Byte | Ag | p121 | l | PET Bug? (Othello Program in Byte Oct '77 p 60) by Mike Hughes |
| Calc. Comp. | Mr | p23 | a | Computers for Parents and Teachers (PET) by Bob Albrecht |
| Calc. Comp. | My | p78 | a | Sources of Programs for PET and TRS-80 Computers (List of Neslettters) |
| Calc. Comp. | S | p34 | a | Marblestat (PET Game) by Mac Oglesby |
| Calc. Comp. | S | p37 | a | Loops (PET Game) by Jim Wilson |
| Calc. Comp. | N | p36 | a | SINNERS (PET) by Mac Oglesby |
| Calc. Comp. | N | p46 | a | PET BASIC for Parents and Teachers by Bob Albrecht & Karl Albrecht |
| Cr. Comput. | Jy | p24 | a | Profile: Commodore PET by Ludwig Braun |
| Cr. Comput. | S | p68 | a | Profile: PET Cassettes from Peninsula School by Steve North |
| Cr. Comput. | N | p40 | a | Personal Electronic Transactions by Gregory Yob |
| Cr. Comput. | N | p97 | b | The PET Bookshelf |
| Kilobaud | My | p22 | a | PET's First Report Card, an objective evaluation by Ralph Wells |
| Micro | Ja | p9 | a | Meet the PET by Charles Floto |
| Micro | Ja | p17 | a | The PET Vs. the TRS-80 by Bob Wallace |
| Micro | F | p9 | a | The PET Vet Tackles Data Files by Charles Floto |
| Micro | Ap | p5 | a | The PET Vet Examines Some BASIC Idiosyncrasies by Charles Floto |
| Micro | Ap | p22 | a | Early PET-Compatible Products by Charles Floto |
| Micro | Ag | p5 | a | Design of a PET/RTTY Interface by Charles R Husbands |
| Micro | Ag | p17 | a | A Simple 6502 Assembler for the PET by Michael J McCann |
| Micro | Ag | p41 | a | PET Composite Video Output by Cal E Merritt |

MICROCOMPUTERS: PET continued

| | | | | |
|--------------|----|------|---|-----------------------------------------------------------------------------------------|
| Micro | Ag | p42 | a | Power from the PET by Karl E Quosig |
| Micro | Ag | p49 | a | A Partial List of PET Scratch Pad Memory by Gary A Creighton |
| Micro | O | p13 | a | PET Update by Gary A Creighton |
| Micro | O | p47 | a | PEEKING at PET's BASIC by Harvey H Herman |
| Micro | D | p23 | a | Continuous Motion Graphics or How to fake a Joystick with the PET by Alan K Christensen |
| Micro | D | p39 | a | Inside PET BASIC by Jim Butterfield |
| PCW | Je | p32 | a | Commodore's Approach to Computing by Kit Spencer |
| PCW | Je | p44 | a | PET 2001 Review by John Coll |
| PCW | O | p54 | a | PET Preening by Gordon Bell |
| PCW | N | p49 | a | Plan for a Plotter by R I Elliot |
| Peoples | Ja | p16 | a | SPOT; The Society of PET Owners and Trainers by Phyllis Cole |
| Peoples | Mr | p55 | l | SPOT. The Society of PET Owners and Trainers |
| Peoples | My | p43 | b | PET Software Review by Don Alan |
| Peoples | Jy | p44 | a | Tape Talk (PET) by Phyllis Cole |
| Peoples | S | p16 | a | Snooping with your PET. PEEKing & POKEing Around by Mark Zimmerman |
| Peoples | N | p48 | a | SPOT; Pet Pointers |
| Peoples | N | p49 | a | PET PAWS (Keyboard) |
| Per. Comput. | My | p94 | a | PET FILES; Things your user's manual never told you by Michael Tulloch |
| Per. Comput. | D | p42 | a | Assembler for the PET by Mark Zimmerman |
| ROM | Mr | p26 | a | "Daddy. Is it the PET?" by Richard Rosner |
| 73 | N | p142 | a | "Look What Followed Me Home!" —a PET of your very own by Paul A Lillie |

MICROCOMPUTERS: POLYMORPHIC

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------|
| Cr. Comput. | Mr | p106 | a | Inventory Control: PolyMorphic Systems by Don Williams |
| Cr. Comput. | S | p44 | a | PolyMorphic 8813 by Steve North |
| Dr. Dobbs | Je | p18 | a | AUTODUMP: A Memory Dumper for POLY88 Tape System by Richard B Emerson |
| Dr. Dobbs | Ag | p27 | a | A Shorter Printer Driver for PolyMorphic's BASIC by Richard B Emerson |

MICROCOMPUTERS: RADIO SHACK TRS-80

| | | | | |
|-------------|----|------|---|-------------------------------------------------------------------------------------|
| Byte | Ap | p49 | a | The Radio Shack TRS-80: An Owner's Report by Dan Fylstra |
| Byte | N | p160 | a | A Cassette Interface Switching Box for the TRS-80 by Craig Anderton |
| CQ | Je | p27 | a | CQ Reviews: Radio Shack TRS-80 Microcomputer by Robert L Stites |
| Calc. Comp. | Mr | p29 | a | The TRS-80: A Lot of Computer for \$400 by Don Inman |
| Calc. Comp. | Ap | p48 | a | TRS-80 Rectangular Graphics by Don Inman |
| Calc. Comp. | My | p5 | a | TRS-80: Games & Abstract Art by Don Inman |
| Calc. Comp. | My | p78 | a | Sources of Programs for PET and TRS-80 Computers (List of Neslettters) |
| Calc. Comp. | S | p9 | a | My TRS-80 Likes Me by Bob Albrecht |
| Calc. Comp. | S | p48 | a | TRS-80: What's Behind Bars? by Don Inman |
| Calc. Comp. | S | p58 | a | Number Patterns on the TRS-80 by Bob Albrecht |
| Calc. Comp. | N | p12 | a | The TRS-80 Draws Straight Lines at ODD Angles by Don Inman |
| Calc. Comp. | N | p58 | a | The TRS-80 as a Classroom Teaching Tool by Samuel W Spero |
| Calc. Comp. | N | p63 | a | My TRS-80 Likes Me part 2 by Bob Albrecht |
| Comp. Dec. | F | p14 | a | Getting Personal. Ride in the back of the bus (About the TRS-80) by Alan Kaplan |
| Cr. Comput. | Ja | p35 | a | Equipment Profile: Radio Shack TRS-80 by Stephen B Gray |
| Cr. Comput. | My | p22 | a | Profile: Radio Shack TRS-80 User's Manual. Applications Programs by Stephen B Gray |
| Cr. Comput. | S | p48 | a | Radio Shack TRS-80 Level II BASIC by Stephen B Gray |
| Cr. Comput. | N | p14 | l | TRS-80 INPUT Strangeness by James W Garson |
| Cr. Comput. | N | p36 | a | TRS-80 Strings by Stephen B Gray |
| Elem. Elec. | Mr | p47 | a | e/e checks the...Radio Shack TRS-80 Computer |
| Interf. Age | Ap | p141 | b | User's Manual for Level I Radio Shack TRS-80 Microcomputer System by David Lien |
| Kilobaud | Ja | p44 | a | The TRS-80: how does it stack up? by Ed Juge |
| Kilobaud | Ap | p114 | a | Turn It Off! power down mod for the TRS-80 by Dave Lien & Dave Waterman |
| Kilobaud | My | p8 | a | TRS-80 Forum by Dave Lien |
| Kilobaud | Je | p90 | a | It's Here: Machine Language for the TRS-80 by Jack W Crenshaw |
| Kilobaud | Ag | p98 | a | Something Extra With Radio Shack's BASIC: A Self Teaching Manual by Sherman P Wantz |
| Kilobaud | S | p96 | a | TRS-80 Update: Level II BASIC by Ed Juge |
| Kilobaud | D | p36 | a | Deep, Dark Secrets of the TRS-80 (Level I) by Barry A Lewis |
| Micro | Ja | p17 | a | The PET Vs. the TRS-80 by Bob Wallace |
| PCW | Ag | p44 | a | Owner's Report: The TRS-80 by A J Harding |
| PCW | S | p26 | a | Good Value For Money. Tandy TRS-80 Review by Mike Dennis |
| Peoples | Mr | p10 | a | TRS-80 A Consumer's Computer? by Tom Williams |
| Peoples | Mr | p13 | a | Radio Shack Responds to the Above Review by Hy Siegel |

MICROCOMPUTERS: RADIO SHACK TRS-80 continued

| | | | | |
|--------------|----|-----|---|-----------------------------------------------------------------------------------------------|
| Peoples | My | p54 | a | TRS-80 Talk by Clyde R Farrell |
| Peoples | Jy | p30 | a | TRS-80 Converting to Level II BASIC by Clyde Farrell |
| Peoples | S | p6 | a | TRS-80 Level II Computer: A Grown-Up Field Evaluation by Thomas Dwyer & Margot Critchfield |
| Per. Comput. | Ag | p53 | a | The TRS-80 Comes to Town by Harry Shershaw |
| Pop. Elec. | N | p94 | a | A Cassette Control System for Computers (TRS-80) by A A Mangieri |

MICROCOMPUTERS: SOL

| | | | | |
|--------------|----|------|---|-------------------------------------------------------------------|
| Byte | Ja | p86 | a | A User's Reaction to the SOL-10 Computer by Robert Bumpous |
| Byte | Ap | p126 | a | User's Report: The SOL-20 by Dennis E Barbour |
| Dr. Dobbs | Ja | p38 | a | An 8080 Disassembler and Support Software for SOL by Don Van Dyke |
| Dr. Dobbs | Ag | p41 | l | Fix and Manual Correction for Processor Tech's GPM by Ed Elizondo |
| PCW | Jy | p38 | a | Owner's Report: The SOL-20 Computer by Ken Wheeler |
| Peoples | My | p51 | a | BASIC 5 Strings (Strings for SOL 20) by Fr. Thomas McGahee |
| Per. Comput. | Ap | p28 | a | Filet of SOL by Gary Dozier |
| 73 | Ja | p94 | a | You'll Like SOL! |

MICROCOMPUTERS: SWTPC

| | | | | |
|-------------|----|------|---|------------------------------------------------------------------------------------------------|
| Byte | O | p144 | a | Souping Up Your SwTPC 6800 by Steve A Hughes |
| Dr. Dobbs | F | p46 | l | SWTPC CT-1024 Automatic Scroll by R T Boute |
| Interf. Age | S | p106 | a | Upgrade Your SWTPC System to 60K! by Earle Hilton |
| Kilobaud | F | p58 | a | Tuned for Speed hot-rod mods for your SWTPC system by Don Gille |
| Kilobaud | Ap | p40 | a | How to Make Your SWTPC System Happy, give it a couple of floppies! by Mickey Ferguson |
| Kilobaud | Ap | p98 | a | Avoid Program Loading and Reloading, new 4K EPROM board from SWTPC by Harley D Johnson |
| Kilobaud | Jy | p90 | a | Improvements Make the Difference: SWTPC's New System 6800/2 by Peter Stark |
| Kilobaud | Ag | p110 | a | Can't Find It? SWTPC BASIC Manual Index by Charles E Thomas |
| Kilobaud | N | p90 | a | Expansion Time! S-100 Memory for SWTPC System by Stuart Mitchell & Phil Poole |
| Kilobaud | D | p60 | a | SWTPC 4K RAM Write Protect Option by Gary D Gaugler |
| Kilobaud | D | p92 | a | There Is a Better MIKBUG! SWTBUG by Phil Hughes |
| 73 | Mr | p96 | a | Another Approach to the ASCII/Baudot Headache - Model 15 to SWTPC system by Garry O Caudell |
| 73 | My | p112 | a | Semi-Instant Program Loading - bauding up the SWT 6800 by Jack G Starr |
| 73 | Jy | p112 | a | Six Said His First Word Today! - and you taught him how by Charles E Thomas |
| 73 | N | p168 | a | SSTV Meets SWTPC: Part 1 --micro-enhanced pictures by Clayton W Abrams |
| 73 | D | p152 | a | SSTV Meets SWTPC: part 2 --micro-enhanced pictures by Clayton W Abrams |

MICROCOMPUTERS: OTHER

| | | | | |
|-------------|------|------|---|----------------------------------------------------------------------------------------------------------------|
| Byte | Ap | p10 | a | The TDL System Monitor Board by Bradford E Rehm |
| Byte | My | p32 | a | Color Graphics on the Compucolor 8051 by Thomas A Dwyer & Margot Critchfield |
| Cr. Comput. | My | p52 | a | Profile: Umtech VideoBrain by David H Ahl |
| Cr. Comput. | S | p33 | a | Exidy Sorcerer by Margot Critchfield |
| Dr. Dobbs | F | p3 | l | O Tempora, O Mores! (Vector) by Robert S Hoover |
| Electronics | O 12 | p105 | a | 16-bit single-board computer maintains 8-bit family ties (8086) by Robert Garrow, Jim Johnson & Les Soltesz |
| Elec. Des. | F 1 | p56 | a | Reduce your uC-based system with SBC cards by George Adams |
| Elec. Des. | Je21 | p46 | a | Low-Cost 1-board computer includes printer, display & keyboard AIM65 |
| Elec. Des. | Jy5 | p76 | a | Pu the capabilities of the Z80 to work with the Z80-MCB card family by Roy Blacksher & Bob Reynolds |
| Elec. Des. | Jy19 | p54 | a | Triple-bus architecture lets a SBC CPU operate at full speed by Jim Johnson, Craig Kinnie & Mike Maerz |
| Elec. Des. | S 13 | p114 | a | Microprogram for fast processing using bipolar LSI bit-slice circuits by Bill Blood |
| Elec. Des. | S 27 | p60 | a | Get Minicomputer features at 10 times the 8080 speed with the 8086 by George Alexy & Hal Kop |
| Elec. Des. | N 8 | p66 | a | 2nd Generation 16-bit uCs are here, but so are plenty of software probs. by Morris Grossman |
| Elem. Elec. | My | p53 | a | e/e assembles the...Cosmac VIP Computer Game |
| Interf. Age | F | p86 | a | Product Preview: Sord Computer by Akio Guji & Kazuhiko Nishi |
| Interf. Age | F | p104 | a | VideoBrain The Consumer Computer by Mike Peak |
| Interf. Age | My | p81 | a | An Evaluation Of the AM-100 Computer System by James W Kitzmiller & Jorj Baker |
| Interf. Age | Je | p78 | a | The Evolution of a Modular Business Computer (Space Byte) by Donald A Burns & Milton C Hubatka |
| Interf. Age | Je | p118 | a | The Keyed-Up 8080: An Attractive Alternative Front Panel by Roger H Edelson |
| Interf. Age | Jy | p50 | a | Tandy Enters Small Business Market in Big Way (Tandy 10) |

MICROCOMPUTERS: OTHER continued

| | | | | |
|--------------|----|------|---|--------------------------------------------------------------------------------------|
| Interf. Age | O | p72 | a | A Look At Vector Graphic and the MZ by Carl Warren |
| Interf. Age | D | p74 | a | The Infotechs IMP. An Alternative Machine by Terry Costlow |
| Kilobaud | Ja | p86 | a | Your IMSAI and You four steps to a happier relationship by J Ward Spaniol |
| Kilobaud | Mr | p16 | a | Build the "Simple Computer" a home-brew 8080 by Dick Whipple |
| Kilobaud | Je | p92 | a | Two Systems Sharing the Same Bus by Mark Boyd |
| Micro | Je | p19 | a | Rockwell's AIM is Pretty Good |
| Micro | Je | p28 | a | Synertek's VIM-1 |
| Mini Micro | Je | p68 | a | The LISP Machine by Sandor R Schoichet |
| Mini Micro | S | p61 | a | Single Board Computers, several products by Malcolm L Stiefel |
| Mini Micro | O | p63 | a | Configuring an LSI-11 System Selection guide by William L Palya |
| PCW | My | p16 | a | A Mighty Micromite: The 77-68, a simple start to a large system by Tim Moore |
| PCW | My | p20 | a | Your's to Command: Britain's Own Microcomputer - The NASCOM I by D S Borland |
| PCW | My | p24 | a | The Little Symposium That Grew; Impressions of the NASCOM I by Mike Dennis |
| PCW | My | p29 | a | A Computer That Means Business; CASU Super C by D Jackman |
| PCW | Je | p10 | a | A Mighty Micromite the MK 14 by Nick Toop |
| PCW | Je | p47 | a | PCW Review: Research Machines 380Z by Mike Dennis |
| PCW | Jy | p26 | a | In Praise of the PDP-11 by Mike Lord |
| PCW | S | p35 | a | In Praise of the PDP-11, part 2 by Mike Lord |
| PCW | D | p40 | a | PCW Review: The Cromenco Z-2D by Sheridan Williams & David Smith |
| Peoples | Ja | p24 | a | The Data Handler Users Manual: Conclusion by Don Inman |
| Peoples | My | p15 | a | VideoBrain by Phyllis Cole |
| Peoples | S | p50 | a | The SORCERER of Exidy by Bob Kahn |
| Per. Comput. | Ap | p28 | a | Me And My IMSAI by Joe Roehrig |
| Per. Comput. | S | p91 | a | Product Close-Up: Wang 2200 Personal Computer by Alan D Matzger |
| Pop. Elec. | N | p87 | a | Construction Project "Explorer" 8085-Based Microcomputer by Martin Meyer |
| 73 | Mr | p92 | a | At Last! An RFI-free Computer! - report on the Cromenco Z-2 by George Young |
| 73 | Mr | p104 | a | Outstanding Computer Bargain Exposed - a novice builds the BYT-8 by Keith R Smith |

MICROPROCESSORS: GENERAL

| | | | | |
|-------------|------|------|---|------------------------------------------------------------------------------------------|
| Byte | O | p57 | a | What Have You Found? Search for Undefined Op Codes by Dave Maclean |
| Comp. Des. | O | p200 | a | The Impact of VLSI Upon Computer Architecture by Scott Smith & Eric R Garen |
| Cr. Comput. | N | p44 | a | Operating Systems Q & A by John Craig |
| Electronics | O 26 | p138 | a | Technology update. Microprocessors and Microcomputers by Raymond P Capice |
| Interf. Age | F | p88 | a | Electron Beam Generator Produces ICs Nine Times Smaller by Dr Andrew Wittkower |
| Kilobaud | F | p16 | a | uComputers/uProcessors: Hardware, Software & Applications by Hilburn & Julich |
| Spectrum | Ja | p36 | a | Technology '78, Solid State Devices: Memories and Microprocessors by Edward A Torrero |
| Spectrum | My | p28 | a | How VLSI Impacts Computer Architecture (Z8000) by Fredrico Faggin |

MICROPROCESSORS: SELECTION GUIDES

| | | | | |
|-------------|------|------|---|----------------------------------------------------------------------------------------------------------|
| Dig. Design | D | p94 | a | Microprocessors by Janine Mair & Al Moore |
| EDN | Ja20 | p75 | a | Use forthcoming one-chip uC's to achieve lower costs gracefully (Sel.G) by Robert Cushman |
| EDN | N 20 | p67 | a | EDN's Fifth Annual Microprocessor Directory by Robert Cushman |
| EDN | N 20 | p191 | a | Sophistication on Silicon-LSI provides system solutions, Support Chip Dir by Robert Cushman |
| Electronics | Ag3 | p91 | a | How bit-slice families compare: Part 1. Evaluating processor elements by W Thomas Adams & Scott Smith |
| Elec. Des. | Ja18 | p24 | a | Time was when a mini was a mini, micro was a micro and picking was easy by Max J Schindler |
| Elec. Des. | Ja18 | p60 | a | Let 4-bit microcomputers do the simple jobs (Panasonic uP) by Bill Bottari & Terry Kobayashi |
| Elec. Des. | My24 | p65 | a | Microcomputer Data Manual (selection guide) |
| Elec. Des. | Ja21 | p86 | a | Microcomputers: Single-chip or single-board? by Terry Benson |
| Elec. Des. | O 11 | p54 | a | Microprocessor Selection Guide |
| Interf. Age | My | p42 | a | ...From The Fountainhead; uProcessor Update by Adam Osborne |
| Kilobaud | Je | p52 | a | 8080, Z-80 or 8085? by Michael Slater |
| Mini Micro | D | p58 | a | The Microprocessor Popularity Race by Carol A Ogden |
| Pop. Elec. | N | p101 | a | 16-Bit VS 8-Bit Microprocessors by Gordon Letwin & Hampton Miller |

MICROPROCESSOR: 6502

| | | | | |
|------|----|------|---|----------------------------------------------------------------------------------------|
| Byte | F | p93 | c | Correction for SWEET 16: The 6502 Dream Machine (Byte Nov '77 p151) by John Feagans |
| Byte | My | p153 | l | Instruction Search. Finding Undefined Instructions (6502) by Francis O'Reilly |
| Byte | Je | p136 | a | Beware Compromising the Stack Pointer by Tom Pittman |

MICROPROCESSOR: 6502 continued

| | | | | |
|-------------|-----|------|---|-----------------------------------------------------------------------------------------------------------------|
| Dr. Dobbs | Ja | p4 | a | Memory Test for 6502 by Carl Moser |
| Dr. Dobbs | Ja | p6 | 1 | Challenging Challenger's ROMs, 6502 Disassembler by Stephen P Smith |
| Dr. Dobbs | Mr | p3 | c | 6502 Disassembler Fix (DDJ Jan '78) by Stephen P Smith |
| Dr. Dobbs | Ag | p39 | c | Yet Another 6502 Disassembler Fix (DDJ Jan '78 p6) by Bennett Meyer |
| Dr. Dobbs | Ag | p31 | a | Fast Cassette Interface for the 6502 by Carl Moser |
| Electronics | Je8 | p126 | a | Expanded package speeds design with new. one chip uC (6500/1) by D Starbuck, D Peeters, K Hogan & R Eufinger |
| Kilobaud | Ag | p8 | b | Programming a Microcomputer: 6502 by Caxton C Foster |
| Kilobaud | O | p110 | a | Build a One-Chip Single Stepper by Philip Ngai |
| Micro | F | p33 | a | 6502 Bibliography Part II by William Dial |
| Micro | Ap | p31 | a | Standard 6502 Assembly Syntax? by Hal Chamberlin |
| Micro | Ap | p35 | a | 6502 Bibliography Part III by William Dial |
| Micro | Je | p14 | a | Rockwell's New R6500/1 |
| Micro | Je | p15 | a | 6502 Interfacing for Beginners: Address Decoding I by Marvin L DeJong |
| Micro | Je | p37 | a | 6502 Bibliography Part IV by William Dial |
| Micro | Ag | p29 | a | 6502 Interfacing for Beginners: Address Decoding by Marvin L DeJong |
| Micro | Ag | p37 | a | 6502 Bibliography Part V by William Dial |
| Micro | Ag | p39 | b | Programming a Micro-Computer 6502 by Caxton C Foster |
| Micro | O | p17 | a | 6502 Interfacing for Beginners: The Control Signals by Marvin L DeJong |
| Micro | O | p33 | a | 6502 Bibliography Part VI by William Dial |
| Micro | D | p5 | a | 6502 Interfacing for Beginners: Buffering the Busses by Marvin L DeJong |
| Micro | D | p45 | a | 6502 Bibliography Part VII by William R Dial |
| Radio Elec. | My | p82 | a | Computer Corner: 6502 In-Depth Look at this Microprocessor by William Barden |

MICROPROCESSOR: 6800..68000 (MOTOROLA)

| | | | | |
|-------------|------|------|---|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Byte | Ja | p84 | a | The Motorola 6800 Instruction Set. Two Programming Points of View by Paul M Jessop |
| Byte | Ja | p168 | m | The Motorola 6809: Some Rumors from Austin by Carl Helmers |
| Byte | F | p93 | c | Correction for Building a M6800 Microcomputer (Byte June '76 p45) by Bob Abbott |
| Byte | Je | p119 | b | Motorola 6800 Microprocessor Course by Motorola Semiconductor |
| Byte | Je | p132 | a | Speeding Up MIKBUG IO Routines by T W Moore |
| Byte | Je | p136 | a | Beware Compromising the Stack Pointer by Tom Pittman |
| Dig. Design | O | p60 | a | This 6800 system handles clock stealing by Bob Ferguson |
| Dr. Dobbs | My | p28 | a | Resident Memory Test Systems: With an Example for the 6800 by Terry Ritter |
| Dr. Dobbs | Ag | p39 | 1 | M6809 Memory Test by Kenneth Drexler |
| Dr. Dobbs | S | p4 | a | EM8080: An 8080 Emulator for 6800 Systems by Gary Gaugler |
| Dr. Dobbs | S | p32 | 1 | Monitors for the 6800 by Chuck Adams |
| EDN | Je20 | p48 | a | M6800 SP functions as IR in interrupt-driven systems by Geoffrey Gass |
| EDN | Ag20 | p67 | a | Improved M6800 routines stack X register by Kalit Kumar |
| Electronics | F 2 | p95 | a | Compatibility cures growing pains of microcomputer family (Motorola uPs) by Michael Wiles, Fuad Musa, T Frank Ritter, Joel Boney & Tom Gunter |
| Electronics | O 12 | p142 | a | Processor's PROM decoder extends addressing capabilities by Robert S Rodgers |
| Elec. Des. | Jy19 | p28 | a | MC68000 16bit uP to offer wide address range, powerful commands by Dave Bursky |
| Elec. Des. | S 1 | p100 | a | Complex systems are simple to design with a MC68000 uP by Ian LeMair & Robert Nobis |
| Kilobaud | Ja | p94 | a | Micro Maestro a musical review of Motorolas's MEK6800D2 by Terry Perdue |
| Kilobaud | Mr | p32 | a | Customized MIKBUG, some interesting mods by Don Kinzer |
| Kilobaud | Ap | p52 | a | Utility Routines, useful programs for your 6800 by James P Fentress |
| Kilobaud | S | p92 | a | Motorola's Latest: The MC6802 by Tim Ahrens |
| Kilobaud | O | p10 | b | 6800 Programming for Logic Design by Adam Osborne |
| Kilobaud | N | p26 | a | Raster Scan Graphic for the 6800 Part 1: The hardware by David Koh |
| Kilobaud | D | p56 | a | Raster Scan Graphics for the 6800 Part 2: The Software by David Koh |
| Kilobaud | D | p92 | a | There Is a Better MIKBUG! SWTBUG by Phil Hughes |
| PCW | Ag | p41 | b | Scelbi "6800" Software Gourmet Guide and Cookbook |
| Radio Elec. | O | p78 | a | Computer Corner: 6800. An Overall Look at the Hardware and Software by William Barden |

MICROPROCESSOR: 8080..8086 (INTEL)

| | | | | |
|-------------|----|------|---|----------------------------------------------------------------------------------------------|
| Byte | Ja | p136 | b | Practical Microcomputer Programming: the Intel 8080 by W J Weller, A V Shatzel & H Y Nice |
| Byte | Mr | p185 | a | Get On at the Right Address (Bootstrap for the 8080) by Frank S Holman |
| Byte | Je | p99 | 1 | A Bit Simpler. 8080 Bootstrap in Byte Mar '78 p185 by Steve Bresson |
| Byte | S | p145 | b | The 8080 Programmer's Pocket Guide by Scelbi |
| Byte | S | p145 | b | Tychon 8080 Hex Code Card by Tychon |
| Calc. Comp. | F | p5 | a | 8080 Machine Language Programming for Beginners by Ron Santore |
| Calc. Comp. | Mr | p44 | a | 8080 Machine Language Programming for Beginners by Ron Santore |

MICROPROCESSOR: 8080..8086 (INTEL) continued

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------------------------------------------------------------|
| Calc. Comp. | S | p82 | a | 8080 Machine Language Programming for Beginners (Button-Button Game) by Ron Santore |
| Comp. Des. | Jy | p115 | a | Interfacing Fundamentals: The 8085 uProcessor by D Larsen, P Rony, C Titus & J Titus |
| Comp. Des. | Ag | p122 | a | Interfacing Fundamentals: The 8085 Family of Memory Devices by C Titus, J Titus, D Larsen & P Rony |
| Comp. Des. | S | p140 | a | Interfacing Fundamentals: An Application of the 8085 by P Rony, D Larsen, C Titus & J Titus |
| Comp. Des. | O | p164 | a | Interfacing Fundamentals: The Application of the 8085 Processor Part 2 by J Titus, C Titus, P Rony & D Larsen |
| Cr. Comput. | S | p118 | a | SMAL/80 |
| Dr. Dobbs | Mr | p20 | a | ACT An 8080 Macroprocessor by Alex Cecil |
| Dr. Dobbs | Ap | p27 | a | ACT An 8080 Macroprocessor by Alex Cecil |
| Dr. Dobbs | Ag | p4 | a | A Compact 8080 Disassembler & Dumper by Richard Greenlaw |
| Dr. Dobbs | Ag | p19 | a | The Intel 8086 by Mike Gabrielson |
| Dr. Dobbs | S | p4 | a | EM8080: An 8080 Emulator for 6800 Systems by Gary Gaugler |
| Dr. Dobbs | O | p3 | 1 | Pushing 8080 Registers by Mike Gabrielson |
| EDN | F 5 | p25 | a | 8080 interrupt instructions double as breakpoints by E G Dillon |
| Electronics | F 16 | p99 | a | 8086 microcomputer bridges the gap between 8- and 16-bit designs by B Jeffery Katz, Stephen P Morse, William B Pohlman & Bruce Revenel |
| Electronics | O 12 | p105 | a | 16-bit single-board computer maintains 8-bit family ties (8086) by Robert Garrow, Jim Johnson & Les Soltesz |
| Interf. Age | F | p76 | a | BASIC Cross Assembler for the 8080 by Peter Reece |
| Interf. Age | Mr | p158 | a | HEXMON: An 8080 Intel HEX-Format Paper-Tape Monitor by Alan R Miller |
| Interf. Age | Ap | p110 | a | The 8085 in Robot Design by Frank Da Costa |
| Interf. Age | Je | p115 | b | 8080 Programming for Logic Design by Adam Osborne |
| Kilobaud | F | p16 | b | Scelbi 8080 Software Gourmet Guide and Cookbook by Robert Findley |
| Kilobaud | Mr | p16 | a | Build the "Simple Computer" a home-brew 8080 by Dick Whipple |
| Kilobaud | My | p16 | b | Practical Microcomputer Programming: The Intel 8080 by Weller, Shatzel & Nice |
| Kilobaud | Je | p11 | b | 8080A/8085 Assembly Language Programming by Lance A Leventhal |
| Kilobaud | Je | p11 | b | The 8080A Bugbook by Rony, Larsen, Titus |
| Mini Micro | Ap | p70 | a | The Intel Micro Family; 8080, 8085, 8048 by Carol A Oggidin |
| Mini Micro | Ag | p86 | a | The 16-Bit 8086 by John Bond |
| PCW | S | p39 | a | Advanced Intelligence 8086 by Bill Davy |
| PCW | D | p44 | b | A Step by Step Introduction to 8080 Microprocessor Systems by David L Cohn & L Melsa |
| 73 | O | p146 | a | Interrupts Made Easy - for 8080/S-100 users by Jim Marr |

MICROPROCESSOR: BIT-SLICE

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------------------------------|
| Comp. Des. | Ag | p83 | a | Hardware Approaches to uProgramming with Bipolar uProcessors by Joseph C Conway |
| Electronics | Ag3 | p91 | a | How bit-slice families compare: Part 1. Evaluating processor elements by W Thomas Adams & Scott Smith |
| Electronics | Ag17 | p96 | a | How bit-slice families compare: part 2, sizing up the microcontrollers by W Thomas Adams & Scott M Smith |
| Electronics | Ag31 | p138 | a | Postscript on bit-slice families: microcontrollers serve many needs by W Thomas Adams & Scott M Smith |
| Electronics | N 9 | p107 | a | Bit-slice parts approach ECL speeds with TTL power levels by Dale Mrazek |
| Elec. Des. | Ap12 | p74 | a | Emulate your MOS microprocessor with bipolar bit slices by Stephen Y Lau |

MICROPROCESSOR: COSMAC 1802

| | | | | |
|-------------|----|------|---|---------------------------------------------------------------|
| Byte | D | p108 | a | An Easy Programming System by Joseph Weisbecker |
| Interf. Age | My | p104 | a | RCA CDP 1802 COSMAC Microprocessor by Joseph Pallas |
| Kilobaud | Ag | p102 | a | The Amazing 1802: D/A and A/D Applications by Robert J Cotter |
| Radio Elec. | D | p45 | a | NOM Card For The 1802 (Add-On Math Board) by L Steven Cheairs |

MICROPROCESSOR: V-8

| | | | | |
|-------------|------|------|---|----------------------------------------------------------------------------------------------------|
| Comp. Des. | Ja | p109 | a | Handling Multilevel Subroutines & Interrupts in Microcomputers (F8) by James F Vittera |
| EDN | F 20 | p35 | a | A stack for the F8 by Jack E Hemenway |
| Electronics | My11 | p105 | a | RAM/ROM Single-chip microcomputer expands its memory (3872) by Harold W Dozier & Robert S Green |

MICROPROCESSOR: SC/MP

| | | | | |
|-----------|---|-----|---|-----------------------------------------------|
| Dr. Dobbs | F | p13 | a | Faster Data Entry for SC/MP by Erik Skovgaard |
|-----------|---|-----|---|-----------------------------------------------|

MICROPROCESSOR: SC/MP continued

| | | | | |
|-----------------------|--------|-----------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Dobbs Electronics | N S 28 | p144 p148 | b a | Compressed Subroutine Calls for SC/MP by Phil Hughes Small interface simplifies processor interrupt routine (SC/MP) by Robert Shanafelt |
| PCW | Je | p17 | a | Yes, But What Does the Little Beast Do? by W G Marshall |

MICROPROCESSOR: Z-80..Z8000 (ZILOG)

| | | | | |
|-----------------------|------|------|---|-------------------------------------------------------------------------------------------------------------|
| Byte | Je | p118 | b | Z-80 Programming Manual by MOSTEK |
| Byte | Jy | p60 | a | The Z-80 in Parallel by Bob Loewer |
| Byte | D | p92 | a | Z-80 Assembler by Patrick A Crowe |
| Cr. Comput. | N | p48 | b | The Z-80 Microcomputer Handbook by William Barden |
| Dr. Dobbs | Mr | p11 | a | A Z-80 Tracer by Arthur W Cline |
| Dr. Dobbs | Ap | p12 | a | A 1K Debugger for the Z-80 by Les Hancock |
| Dr. Dobbs | Je | p28 | a | The Zilog Z-8 by Unreliable Source |
| Dr. Dobbs | Je | p42 | a | A Z-80 Disassembler in TDL 8K BASIC |
| Dr. Dobbs Electronics | Ag | p22 | a | A 1K Utilities Package for the Z-80 by Les Hancock |
| | Ag31 | p128 | a | Introducing the Z-8; One chip uComputer excels in I/O & memory uses by Bernard L Peuto & Gary J Prosenko |
| Electronics | D 21 | p81 | a | Two Versions of 16-bit chip span uComputer, minicomputer needs (Z8000) by Masatoshi Sima |
| Interf. Age | Jy | p153 | b | The Z-80 Microcomputer Handbook by William Barden |
| Kilobaud | Je | p26 | a | Home-Brew Z-80 System (Part 1) by Norman E Thagard |
| Kilobaud | Jy | p80 | a | Home-Brew Z-80 System (Part 2) by Norman E Thagard |
| Kilobaud | Ag | p8 | b | The Z-80 Microcomputer Handbook by William Barden |
| Kilobaud | S | p8 | b | Z-80 Programming for Logic Design by Adam Osborne |
| Mini Micro | Je | p44 | a | A ZILOG Preview (Z8000) by John Trifari |
| PCW | Jy | p48 | a | A Guided Tour of the Z-80 by Neil Harrison |
| Radio Elec. | Ja | p68 | a | Computer Corner: Z-80 Instruction Set & How it Compares to the 8080 by William Barden |
| Radio Elec. | F | p72 | a | Computer Corner: Z-80 Addressing Modes by William Barden |
| Radio Elec. | Mr | p68 | a | Computer Corner: Z-80 Interrupts by William Barden |
| Radio Elec. | Ap | p80 | a | Computer Corner: Z-80 Interfacing by William Barden |
| Spectrum | My | p28 | a | How VLSI Impacts Computer Architecture (Z8000) by Fredrico Faggin |

MICROPROCESSORS: OTHER

| | | | | |
|-------------|------|------|---|-----------------------------------------------------------------------------------------------------------------------------|
| Byte | Ag | p64 | a | The Number Crunching Processor (National M67109) by Peter Nelson |
| Electronics | My25 | p122 | a | uController includes a-d converter for low-cost analog interfacing 8022 by W Check, E Cheng, G Hill, M Hollen & J Miller |
| Electronics | Jy20 | p129 | a | Microcomputer's on-chip functions ease users' programming chores (8022) by William F Ittner & Jeffery A Miller |
| Elec. Des. | Mr15 | p62 | a | Take advantage of powerful instructions in the PIC-1650 (GI) by Peter Rush |
| Elec. Des. | Je7 | p54 | a | Minis, look out: Here comes a powerful family of 16-bit uC chips by Stephen Scrupski |
| Elec. Des. | S 1 | p46 | a | 16-bit uPs to offer performance, address range, data paths of minis by Dave Bursky |
| Interf. Age | Mr | p56 | a | Development System for the 16-Bit PACE Microprocessor by Phil Roybal |
| Interf. Age | My | p42 | a | ...From The Fountainhead; uProcessor Update by Adam Osborne |
| Interf. Age | Je | p158 | a | TMS9900 Interactive Monitor Part I by Burt Johnson |
| Interf. Age | Jy | p163 | a | TMS9900 Interactive Monitor Part II by Burt Johnson |

MODEM

| | | | | |
|-------------|------|------|---|-----------------------------------------------------------------------------------------|
| Byte | Jy | p6 | e | Some Thoughts About Modems by Carl Helmers |
| Comp. Des. | Ja | p14 | a | Local Modems by John E Buckley |
| Comp. Des. | F | p101 | a | Integrating Medium Speed Modems Into Communications Network by Ken Krechmer |
| Dr. Dobbs | Je | p4 | a | Intelligent Terminal Implementation for the S-100 Bus using IDS 88 Modem by Tim Pugh |
| Dr. Dobbs | O | p42 | c | DC Hayes Response to Modem Comparison (DDJ Jun '78) by Donald J Hyde |
| EDN | N 5 | p69 | a | Modems (selection guide) by Edward R Teja |
| Elec. Des. | Ap26 | p72 | a | Specify low-speed modems properly for distributed computer systems by Tony Mazzarini |
| Elec. Elec. | Jy | p41 | a | e/e assembles the... Pennywhistle 103 Originat Modem |
| Kilobaud | N | p52 | a | Hey, Kids! It's "Mickey Modem"! (Not a Toy) by Stephen Gibson |
| 73 | D | p164 | a | "This is Your Computer Speaking" —how to dial up your micro (modem) by Jerry Sorrels |

MUSIC

| | | | | |
|--------------|------|------|---|----------------------------------------------------------------------------------------|
| Byte | Mr | p9 | a | A Two Computer Music System by Jeffery H Lederer, Tom Dwyer & Margot Critchfield |
| Byte | Mr | p56 | a | The Microcomputer and the Pipe Organ by Jef Raskin |
| Byte | Je | p140 | a | More Music for the 6502 by T C O'Haver |
| Byte | N | p146 | c | Correction for: A \$19 Music Interface (Byte Dec '77 p 48) by Scott Claybaugh |
| Cr. Comput. | Mr | p28 | a | Computer Music: Four Systems, Plus a Music Program by Steve North |
| Cr. Comput. | Mr | p54 | b | Electronic Music Circuit Guidebook by Brice Ward |
| Cr. Comput. | My | p60 | a | The Music Cassette by David H Ahl |
| EDN | My20 | p19 | a | Minicomputer plays organ pieces humans find highly difficult by Paul G Schreier |
| EDN | Ag5 | p34 | a | Modern-day player piano stores music on cassette, not perforated rolls by Sam Davis |
| EDN | S 20 | p57 | a | Quartet of SC/MP's plays music for trio by Tenny Doone |
| Electronics | Je22 | p122 | a | Resistor matrix orchestrates electronic piano/tone generator by Hsi Jue Tsi |
| Electronics | S 28 | p126 | a | Envelope generator sets music-box timbre by Ken Dugan |
| Kilobaud | Ja | p94 | a | Micro Maestro a musical review of Motorola's MEK6800D2 by Terry Perdue |
| Kilobaud | F | p46 | a | The Music Man Prentiss Knowlton's computerized pipe organ by Sheila Clarke |
| Kilobaud | S | p82 | a | KIM Organ, Short...but sweet notes will emanate from you KIM by Don Ketchum |
| Kilobaud | N | p82 | a | Music, Music and More Music by Rod Hallen |
| Micro | Ja | p3 | a | Making Music with the KIM-1 by Armand L Camus |
| Micro | Ja | p19 | a | Ludwig von Apple II (Music) by Marc Schwartz |
| Micro | F | p8 | a | Machine Language Used In "Ludwig von Apple II" by C R Carpenter |
| Micro | Je | p29 | a | Applayer Music Interpreter by Richard F Sutor |
| Micro | Ag | p13 | a | Apple II Starwars Theme by Andrew H Eliason |
| Modern Elec | O | p80 | a | Program: Music for the ELF by Thomas Rohr |
| PCW | Jy | p34 | a | Johann Sebastian Byte by Michael Inggs |
| Per. Comput. | Mr | p71 | a | Noting Music by Computer by Dr P Mars |
| Per. Comput. | My | p68 | a | MUSIC from A to G by Linda M Schreiber |
| Pop. Elec. | F | p92 | a | Computer Bits: Music Generators and Other Items by Leslie Solomon |
| Pop. Elec. | Ap | p56 | a | How Electronic Music Synthesizers Work by John S Simonton |
| Pop. Elec. | Ap | p60 | a | Build a Computer Music Box Peripheral by Martin Smaha |
| 73 | My | p106 | a | Beethoven Need Not Fear - a little night music on the micro by Mike K Cook |
| 73 | N | p150 | a | The Micro Maestro by Sam Creason |

PLOTTERS & PLOTTING

| | | | | |
|-------------|------|------|---|------------------------------------------------------------------------------------------|
| Byte | F | p172 | a | Some Plotting Comments by T P Roberts |
| Byte | My | p10 | a | The Photograph is Also a Hard Copy by Dr. Dwight D Egbert |
| Byte | My | p49 | a | Hidden Line Subroutines for Three Dimensional Plotting by Mark Gottlieb |
| Byte | My | p60 | a | PLOT3D: A Function Plotting Program by Mike Stoddard |
| Dig. Design | S | p80 | a | What's happening to Printer/Plotters? by S L Rutherford |
| Dig. Design | N | p28 | a | Spotlight on Printer/Plotters by Paul Sniger |
| Dig. Design | D | p74 | a | Printer/Plotters by Robert Hines |
| EDN | N 5 | p61 | a | M6800 log routine controls plotter by Fred Gutman |
| Elec. Des. | Mr29 | p86 | a | Plotting routine produces compact, high resolution graph BASIC by Colin J Shakespeare |
| PCW | N | p49 | a | Plan for a Plotter by R I Elliot |
| Peoples | Jy | p44 | a | PLOT (PET) by Philip Gash |

POWER SUPPLY

| | | | | |
|--------------|------|------|---|---------------------------------------------------------------------------------------------------------|
| Byte | O | p22 | a | Build a 5 W DC to DC Converter by Steve Ciarcia |
| Comp. Des. | Mr | p103 | a | Universal Switching Regulator Diversifies Power System Applications by Russell Apfel & David B Jones |
| EDN | O 20 | p82 | a | Safe supply manages MOS memories by Robert Pease |
| Electronics | Ja19 | p111 | a | Dc-dc power supply regulates down to 0 volt by P R M Chetty & A Barnaba |
| Elec. Des. | Ap26 | p104 | a | Tailor-make your own uP power supply by Edward Polen |
| Elec. Des. | Jef | p88 | a | FOCUS on Batteries by Morris Grossman |
| Elec. Des. | Jy19 | p80 | a | Add a standby battery to a RAM and make a nonvolatile memory by Patrick W Boyle & Robert F Wentin |
| Elec. Des. | Ag16 | p72 | a | FOCUS on Switching Power Supplies by Sid Adlerstein |
| Interf. Age | Ag | p120 | a | Personal Computer Protection by F J Stifter |
| Kilobaud | Ap | p114 | a | Turn It Off! power down mod for the TRS-80 by Dave Lien & Dave Waterman |
| Micro | F | p28 | a | The Apple II Power Supply Revisited by Rod Holt |
| Micro | Ag | p42 | a | Power from the PET by Karl E Quosig |
| Peoples | Jy | p47 | a | PETing A Diablo by Bueck & Jenkins |
| Per. Comput. | Jy | p74 | a | Firmware Facts: Voltage on the Level by Austin Lesca & Rodney Zaks |
| Per. Comput. | Ag | p35 | a | Firmware Facts: Watts for Dinner by Austin Lesca & Rodney Zaks |
| Per. Comput. | D | p32 | a | Firmware Facts: Power Supplies In Retrospect by Austin Lesca & Rodney Zaks |

POWER SUPPLY continued

| | | | | |
|-------------|----|------|---|-------------------------------------------------------------------------------|
| Pop. Elec. | Ap | p41 | a | How to Design & Build Power Supplies Part 1 by Joseph Carr |
| Pop. Elec. | My | p61 | a | How to Design & Build Power Supplies Part 2 by Joseph Carr |
| QST | Jy | p28 | a | A Programmable Regulated Power Supply by John Bipes |
| Radio Elec. | D | p56 | a | Hobby Computer Power Supplies by Joseph J Carr |
| 73 | Ja | p140 | a | Power Supply Regulation |
| 73 | Mr | p52 | a | Exorcising Power Supply Demons-what to do when Murphy visits by Joseph J Carr |
| 73 | Mr | p132 | a | Surprisingly Low-Cost Lab Supply - an IC Regulator does it! by Hank Olson |
| 73 | Ap | p76 | a | Feeding a Hungry Microcomputer - power supplies by Henry Olson |
| 73 | Ag | p120 | a | Super Charger - keeps nicads up to snuff by Jeremy A Donimirski |
| 73 | S | p201 | a | Charge! - your nicads by E E Buffington |
| 73 | O | p268 | a | A Perfect Power Supply? - well . . . almost by D C Mitchell |

PRINTER

| | | | | |
|--------------|-----|------|---|----------------------------------------------------------------------------------------------------------|
| Byte | Jy | p28 | a | The Axiom EX800 Printer: A User's Report by R J Bosen |
| Byte | D | p94 | a | Interface Your Computer to a Printing Calculator by Robert H Astmann |
| CQ | My | p16 | a | An R/T/TY Primer by Irwin Schwartz |
| Comp. Des. | Jy | p104 | a | Ink-Jet Printer Mechanism Uses Non-Static Vacuum Technique by Joachim Heinzl & Gunter Rosenstock |
| Cr. Comput. | Jy | p110 | a | What Kind's of Printers Are Ther? |
| Dig. Design | S | p22 | a | The Quiet Revolution in Ink Jet Printing by Edwin V W Zschaw |
| Dig. Design | S | p32 | a | New Daisy Wheel Printers Improve Printing Quality by Ron Ogg |
| Dig. Design | S | p36 | a | Thermal Printers Offer speed & silence to CRT Users by David Ratcliff |
| Dig. Design | S | p44 | a | Selecting a Printer? Follow these Guidlines by Gordon Osborn, Vince Hewitt, John DeSantis & Bob Adams |
| Dig. Design | S | p50 | a | Spotlight on Printers, Selection Guide by Paul Sniger |
| Dig. Design | S | p80 | a | What's happening to Printer/Plotters? by S L Rutherford |
| Dig. Design | N | p28 | a | Spotlight on Printer/Plotters by Paul Sniger |
| Dig. Design | D | p58 | a | Character Printers |
| Dig. Design | D | p62 | a | Printers by John Henry |
| Dig. Design | D | p73 | a | Spinwriting Printing by Bruce Thatcher |
| Dig. Design | D | p74 | a | Printer/Plotters by Robert Hines |
| Dr. Dobbs | Ag | p27 | a | A Shorter Printer Driver for PolyMorphic's BASIC by Richard B Emerson |
| EDN | My5 | p37 | a | M6800 subroutine drives a line printer by Jack E Heneway |
| Elec. Des. | Ag2 | p56 | a | FOCUS on Printers by Stanley Runyon |
| Interf. Age | Ja | p148 | b | Interfacing Selectrics to Microcomputers by Carl Townsend |
| Interf. Age | O | p98 | a | Hard Copy: Why Not the Best? Go Daisywheel by John MacDougall |
| Kilobaud | Mr | p48 | a | Super Terminal! Interfacing the Burroughs 9350-2 by R R Derynck |
| Kilobaud | Je | p112 | c | Correction for: Super Terminal (Kilobaud March '78 p48) by Robert Smith |
| Kilobaud | Mr | p100 | a | The AXIOM EX-800 a versatile printer by Carl Denver Warren |
| Kilobaud | My | p64 | a | What's Happening with the IBM Selectric? Micro Computer Devices answer by Sheila Clarke |
| Kilobaud | Je | p22 | a | Taming the I/O Selectric (Part 1) by Emerson Brooks |
| Kilobaud | Je | p46 | a | Baudot...er...Murray. Meet the H8 by Howard L Nurse |
| Kilobaud | Jy | p40 | a | Taming the I/O Selectric (Part 2) by Emerson Brooks |
| Kilobaud | Je | p60 | a | Is the Malibu Model 160 the Printer for Your Business System by Dan Dederick |
| Kilobaud | S | p66 | a | Baudot Interface Cookbook, A \$50 Printer? by J R Haglund & W B Reed |
| Kilobaud | D | p22 | a | A Sensible Alternative, Dura Selectric by Kenneth Aird |
| Micro | F | p13 | a | Printing with the Apple II, Telpar PS-40-3C by C R Carpenter |
| Micro | Ap | p27 | c | Apple II Printing Update (Micro Feb '78) by C R Carpenter |
| Mini Micro | Ja | p52 | a | PRINTERS; A User's Guide to the Market by Irving L Wieselman |
| Mini Micro | Mr | p71 | a | Starring: The Micro and the Matrix. Printer Selection Guide by Malcolm L Stiefel |
| Modern Elec | O | p79 | a | Adding a Printer to Your Heath H8 Computer by Carmine Prestia |
| PCW | My | p47 | a | Missionary Job: The Conversion of IBM 73 Series I/O Writers by John M Anderson |
| PCW | D | p59 | a | The Poor Man's Printer by Phil Cornes |
| Per. Comput. | Je | p60 | a | Picking a Printer by Chip A Tyeti |
| 73 | Ja | p82 | a | Weather Satellite Pix Printer |

PROGRAMMING: GENERAL

| | | | | |
|-------------|----|------|---|---------------------------------------------------------------------------|
| Byte | F | p30 | a | The Case for a "Compiler Interpreter" by Richard Rodman |
| Byte | F | p167 | a | Measuring Program Size by Stefan T Dobrowolski |
| Byte | Jy | p152 | a | A High Level Language for 8 Bit Machines by Ted Williams & Steve Conley |
| Byte | S | p166 | a | WADUZITDO: How to Write a Language in 256 Words or Less by Larry Kheriaty |
| Byte | O | p54 | b | Microprocessor Programming for Computer Hobbyists by Neil Graham |
| Byte | N | p132 | b | Etudes for Programmers by Charles Wetherell |
| Byte | N | p133 | b | Program Style, Design, Efficiency, Debugging and Testing by D Van Tassel |
| Calc. Comp. | N | p44 | a | Non-Math Computer Programs by Jane Donnelly Gawronski & Charlene West |

PROGRAMMING: GENERAL continued

| | | | | |
|--------------|------|------|---|--------------------------------------------------------------------------------------------------------------------------|
| Cr. Comput. | Ja | p123 | a | "Hands-On" & Fast Turnaround-A Must for a Successful Program by Thomas J Cashman & Gary B Shelly |
| Cr. Comput. | Mr | p56 | a | Three Little Programmers (A Grim Fairy Tale) by Alan B Salisbury |
| Cr. Comput. | Jy | p98 | a | Programming Like a Natural by Theodor Nelson |
| Cr. Comput. | S | p144 | a | The Systems Approach: How to Evaluate, Design & Implement Software Appl. by John R Lees |
| Cr. Comput. | N | p44 | a | Operating Systems Q & A by John Craig |
| Cr. Comput. | N | p106 | a | An Experiment in Teaching Strategic Thinking by J M Brady & R B Emanuel |
| Dig. Design | Ag | p22 | a | Self Propagating computer programs, Key to low cost software? by Michael Zeidlar |
| Dig. Design | O | p20 | a | Software Development: Problem. Definition, the first step by Lance Leventhal & William Walsh |
| Dr. Dobbs | S | p29 | a | Use of Nopcodes as Executable Labels by H T Gordon |
| EDN | Ja20 | p105 | a | Microprogramming ups your options in uP-system design by Jim Brick & John Mick |
| EDN | F 5 | p53 | a | Microprogramming ups your options in uP-system design by Jim Brick & John Mick |
| EDN | F 20 | p75 | a | Microprogramming ups your options in uP-system design, software by Jim Brick & John Mick |
| EDN | My5 | p34 | a | Program size vs speed—not always a tradeoff by Jon Colt |
| EDN | My20 | p155 | a | Homegrown debug software can hone your design skills by Robert Cushman |
| Electronics | Ap13 | p119 | a | Say it in a high-level language with 64-K read only memories by Rudy Langer & Thomas Dugan |
| Electronics | Je22 | p126 | a | Factoring in software costs avoids red ink in microprocessor projects by Phillip Hughes |
| Elec. Des. | Jy5 | p64 | a | Fit your uC with the right software package by Max J Schindler |
| Elec. Des. | Jy19 | p62 | a | Develop uP software efficiently by using language and design tools by Michael Rooney |
| Interf. Age | F | p48 | a | Sense Line; So You Want To Be A Computer Star! by Gary Young |
| Interf. Age | My | p110 | a | A Developement-Project; Reporting & Control Technique by William Rosenbluth |
| Interf. Age | N | p50 | a | 1978 Index to Software |
| Interf. Age | N | p82 | a | Business Editorial: Software Obsevations by Jim Schreier |
| Kilobaud | F | p64 | a | You'll Be Tickled by Fickled a charting and diagramming aid by Carl D Warren |
| Kilobaud | F | p121 | b | A Collection of Programming Problems & Techniques by H A Maurer & M R Williams |
| Kilobaud | Ap | p13 | b | Programming Proverbs and Programming Proverbs for FORTRAN Programmers by Henry F Ledgard |
| Kilobaud | Ap | p22 | a | Kilobaud's Mystery Program are you ready for this? by Tom Rugg & Phil Feldman |
| Kilobaud | My | p16 | b | Practical Microcomputer Programming: The Intel 8080 by Weller, Shatzel & Nice |
| Micro | Ap | p23 | a | The Micro Software Catalog (Index of 6502 Software) by Mike Rowe |
| Micro | Je | p23 | a | The Micro Software Catalog: II List of programs by Mike Rowe |
| Micro | Ag | p23 | a | The MICRO Software Catalog: III by Mike Rowe |
| Micro | O | p29 | a | The MICRO Software Catalog IV by Mike Rowe |
| Mini Micro | My | p65 | a | Subroutine Libraries, How to set one up by Thomas Fay |
| Mini Micro | Je | p107 | a | What's What In Personal Computing Software by Adam Osborne |
| Modern Elec | O | p8 | a | Computers: Who are programmers, what do they do? by Pete Stark |
| Peoples | Mr | p15 | b | The Schreir Software Index to Published Microcomputer Software by Jim Schrier |
| Peoples | My | p27 | a | SKETCHCODE, A Documentation Technique for Computer Programmers by Todd L Voros |
| Per. Comput. | F | p92 | a | Programming Hangups |
| Per. Comput. | Ap | p22 | a | Debugging your Software: Program Testing by Robert T Nicholson |
| Per. Comput. | Je | p26 | a | Programming the Most Complex Computer |
| Pop. Elec. | S | p4 | e | The Software Rights Dilemma by Art Salsberg |
| ROM | Mr | p71 | a | Why Interpret? by Eben Ostby |
| Radio Elec. | Je | p56 | a | Computer Corner: How to Prepare Programs for Microcomputers by Peter Rony, Chris Titus, David Larsen & Jonathan Titus |

PROGRAMMING & SOFTWARE: APPLICATION PROGRAMS

| | | | | |
|-------------|----|------|---|--------------------------------------------------------------------------------------------|
| Byte | My | p168 | a | Line Combinations (8080) by Randy G Soderstrom |
| Byte | Je | p14 | a | A Programmable Character Generator Part 2: Software by Larry Weinstein |
| Byte | Je | p109 | a | Those Calculating Romans by Laurence G Dishman |
| Byte | O | p68 | a | Formatting Dollars and Cents (BASIC) by Les Palenik |
| Byte | O | p100 | a | Linear Circuit Analysis by Leonard H Anderson |
| Byte | O | p136 | a | Maze by Robert J Bishop |
| Byte | N | p66 | a | Checkbook Balancer (BASIC) by Rod Hallen |
| Byte | D | p14 | a | Fast Fourier Transforms on Your Home Computer by William D Stanley & Steven J Peterson |
| Byte | D | p168 | a | Partitioned Data Sets by A I Halsma |
| Comp. Des. | Je | p113 | a | Software Analyses for Combinatorial Logic by John L Pokoski |
| Cr. Comput. | Ja | p140 | a | Kirkof and Netwrk by Alan Brown |
| Cr. Comput. | Mr | p111 | a | Inventory Control: AIM (Automatic Inv. Managemnt Sys. from Comp Mart NJ) by Tom Cirillo |

PROGRAMMING & SOFTWARE: APPLICATION PROGRAMS continued

| | | | | |
|--------------|------|------|---|-----------------------------------------------------------------------------------------------|
| Cr. Comput. | Mr | p116 | a | Inventory Control: Scientific Research Inst. |
| Cr. Comput. | Mr | p122 | a | Inventory Control: Altair Software Distribution Co. |
| Cr. Comput. | My | p74 | a | Tracking Right-Angle Searches In Mazes and Games by Scott Davidson |
| Cr. Comput. | S | p106 | a | Short Programs....Subscripts, Common Birthdays |
| Cr. Comput. | N | p86 | a | Critical Path Analysis by Ruth M Sabean, Margot Critchfield & Thomas Dwyer |
| Cr. Comput. | N | p134 | a | Solving Those Mail List Problems-Mail List, Billing Program for Business by Donald M Williams |
| Cr. Comput. | N | p138 | a | Mailing List System by Gary O Young |
| Dr. Dobbs | My | p4 | a | Programming Language Translation Techniques by William M McKeeman |
| Dr. Dobbs | Je | p4 | a | Intelligent Terminal Implementation for the S-100 Bus using IDS 88 Modem by Tim Pugh |
| Dr. Dobbs | O | p42 | c | DC Hayes Response to Modem Comparison (DDJ Jun '78) by Donald J Hyde |
| Dr. Dobbs | S | p4 | a | EM8080: An 8080 Emulator for 6800 Systems by Gary Gaugler |
| Dr. Dobbs | O | p34 | a | Whatis: An Expression Evaluator for the 8080 by Mike Gabrielson |
| Dr. Dobbs | N | p12 | a | A Curve Fitting Program Using a Focal Interpreter on the KIM-1 by Theodore E Bridge |
| Dr. Dobbs | N | p15 | a | Binary Tree Manipulation on the 8080 by Mike Gabrielson |
| EDN | Je5 | p35 | a | BASIC program provides statistics tools by V Ramamoorthy |
| EDN | Je5 | p36 | a | Z80 subroutine performs 4-digit decimal addition by Avram Grossman |
| EDN | O 5 | p80 | a | BASIC subroutine runs a slow FFT by William Wagner |
| EDN | N 5 | p61 | a | M6800 log routine controls plotter by Fred Gutman |
| Electronics | O 12 | p148 | a | 11-byte program generates 2 billion pseudorandom bits by Tomasz R Tanaki |
| Elec. Des. | Mr29 | p86 | a | Plotting routine produces compact, high resolution graph BASIC by Colin J Shakespeare |
| Elec. Des. | Ap12 | p115 | a | Any random number generator can have a Gaussian distribution by Colin Gyles |
| Elec. Des. | N 8 | p120 | a | Simple, low-cost dot-joiner sharpens digital displays of analog data by Asad M Madni |
| Elec. Des. | N 22 | p160 | a | Tired of just reading results? Let your instrument do the talking by Vijay B Tandon |
| Elec. Elec. | Mr | p60 | a | It's Simply BASIC, Solve Ohm's Law, Reactance & Frequency With Program by Larry Friedman |
| Interf. Age | F | p142 | a | Hamming's Error Corrections by Ed Comer |
| Interf. Age | Ap | p90 | a | Mail Code Sort and Print Program by Jim Huffman |
| Interf. Age | Ag | p68 | a | Video Game Techniques in North Star BASIC for the SOL VDM-1 by Robert C A Goff |
| Interf. Age | Ag | p80 | a | T V Pattern Generator by Robert Harr & Gary F Poss |
| Interf. Age | Ag | p83 | a | Computer Implementation in A Small Business: Software Selection by Roger Williams |
| Interf. Age | Ag | p150 | a | Tabcount: A Counter for Your Edit Buffer by Alan R Miller |
| Interf. Age | S | p88 | a | How to Write Form Letters That Look Like the Real Thing by John MacDougall |
| Interf. Age | D | p87 | a | The Techniques of Data Entry by William L Colsher |
| Interf. Age | D | p129 | a | PEEK and POKE A Total by Douglas L Jones |
| Kilobaud | F | p98 | a | Manipulating ASCII Data packing and unpacking techniques by Jack Ward |
| Kilobaud | F | p104 | a | Read any Good Books Lately? a program to test readability by Al Gerbens |
| Kilobaud | Mr | p76 | a | Small Business Software Part 2:file maintenance & active transactions by Laurence A McCaig |
| Kilobaud | Mr | p92 | a | I/O Programming for the Altair Disks ain't no big deal by Don Alexander |
| Kilobaud | My | p78 | a | A Simple Mailing System, a money-making time-saver by Stephen Gibson |
| Kilobaud | Jy | p34 | a | Revolving Charge Account Calculations by Len Gorney |
| Kilobaud | Ag | p90 | a | Computer-Generated Signs: Put Your TTY to Work! by Joseph J Roehrig |
| Kilobaud | S | p32 | a | At Last: A Client Timekeeping System by Bill Welborn |
| Kilobaud | S | p46 | a | Metric-American Conversion Program by Mickey Ferguson |
| Kilobaud | O | p40 | a | Depreciation Calculations by John Musgrove |
| Kilobaud | O | p102 | a | A Useful Address List Program by Sherman P Wantz & Brian E Bateman |
| Kilobaud | N | p46 | a | Point of Sale/Inventory Control System for 8080s by Bruce A Barker |
| Kilobaud | N | p50 | a | inancier/Mortgage with Prepayment (from Instant Software) by D Borland |
| Kilobaud | D | p32 | a | The Art of Generating Expense Reports |
| Kilobaud | D | p64 | a | Spelling Bee by David B Moody |
| Kilobaud | D | p80 | a | The Ups and Downs of Business by Jim Wright |
| Micro | F | p11 | a | Hold That Data by Gary L Tater |
| Micro | F | p19 | a | Typesetting on a 6502 by Robert M Tripp |
| Micro | D | p15 | a | Computer-Determined Kinetic parameters In Thermal Analysis by L S Reich |
| Modern Elec | My | p92 | a | Program: Will the real Pi please stand up? by Pete Stark |
| Modern Elec | Ag | p20 | a | Program: Membership list program for clubs, etc. by Carmine W Prestia |
| PCW | Je | p66 | a | The Small System Approach to Program Editing by Patrick Sutton |
| PCW | Jy | p66 | a | Making A Splash. Compute Your Football Pools Entry by F Heathman |
| PCW | D | p53 | a | STATPACK by Colin Chatfield |
| Peoples | Mr | p14 | a | Prayer Wheel Program by Edrid |
| Peoples | N | p26 | a | Distance and Error Correcting Codes by Tom Dwyer & Margot Critchfield |
| Per. Comput. | Ja | p24 | a | Scaling the Cliffs of Computer Mastery Part I by Ramond Howell |

PROGRAMMING & SOFTWARE: APPLICATION PROGRAMS continued

| | | | | |
|--------------|----|-----|---|------------------------------------------------------------------------------------|
| Per. Comput. | Ja | p85 | a | BANNER FUN by Ed Bernstein |
| Per. Comput. | F | p81 | a | Touching Down On: Computer Football (How the game is played) by Joe Roehrig |
| Per. Comput. | Mr | p24 | a | The Bob-Up Program by Sam Newhouse |
| Per. Comput. | Mr | p57 | a | Deep In the Heart of Taxes, A Tax Program for Personal Computers by Joe Roehrig |
| Per. Comput. | My | p38 | a | If It's Tuesday.. This Must Be Seattle (Trip Planning Program) |
| Per. Comput. | Je | p28 | a | Contract Fulfillment by Sam Newhouse |
| Per. Comput. | Je | p39 | a | Printing Contract Forms by Charles A Matz |
| Per. Comput. | Je | p54 | a | Partner Matching by Harriet Morrill |
| Per. Comput. | Jy | p43 | a | Music In Your Memory; Album Sorting by Rodger Pogue |
| Per. Comput. | Ag | p23 | a | Computing on the Rocks (Drink Mixing) by Sam Newhouse |
| Per. Comput. | Ag | p59 | a | Check Register Acctng Syst: The Computer Checks into the Balancing Act by O E Dial |
| Per. Comput. | O | p43 | a | The Computer Checks Into the Balancing Act Part II by O E Dial |
| Per. Comput. | N | p55 | a | The Computer Checks into the Balancing Act, Part III by O E Dial |
| Per. Comput. | D | p34 | a | Phone Directory by Gary Greenberg |
| ROM | F | p24 | a | The Mailing List Program by Robert Osband |
| ROM | F | p66 | a | Western Easters & When They Come by Lichen Wang |
| ROM | F | p84 | a | Translate! (8K BASIC to Disk Basic) by Gordon Morrison |
| Radio Elec. | Je | p57 | a | Integer Multiplication and Division Routines for the 8080 |
| Radio Elec. | Jy | p56 | a | Computer Program: Know What Your Long Distance Calls Cost by Fred Blechman |
| Radio Elec. | Ag | p32 | a | Investment Evaluation Program by Fred Blechman |
| Radio Elec. | N | p16 | c | Correction for TRS80 Investment Program (Radio Elec Aug '78) by Fred Blechman |

PROGRAMMING & SOFTWARE: ASSEMBLERS & MONITORS

| | | | | |
|--------------|----|------|---|--------------------------------------------------------------------------------|
| Byte | Jy | p112 | a | BASIC to Assembly Language Linkage by Pat Fitzgerald |
| Byte | D | p92 | a | Z-80 Assembler by Patrick A Crowe |
| Dr. Dobbs | Ja | p6 | l | Challenging Challenger's ROMs, 6502 Disassembler by Stephen P Smith |
| Dr. Dobbs | Mr | p3 | c | 6502 Disassembler Fix (DDJ Jan '78) by Stephen P Smith |
| Dr. Dobbs | Ag | p39 | c | Yet Another 6502 Disassembler Fix (DDJ Jan '78 p6) by Bennett Meyer |
| Dr. Dobbs | Ja | p38 | a | An 8080 Disassembler and Support Software for SOL by Don Van Dyke |
| Dr. Dobbs | Je | p42 | a | A Z-80 Disassembler in TDL 8K BASIC |
| Dr. Dobbs | Ag | p4 | a | A Compact 8080 Disassembler & Dumper by Richard Greenlaw |
| Dr. Dobbs | S | p32 | l | Monitors for the 6800 by Chuck Adams |
| Interf. Age | F | p76 | a | BASIC Cross Assembler for the 8080 by Peter Reece |
| Interf. Age | F | p144 | a | TAPEMON: An 8080 Binary Tape Monitor by Alan R Miller |
| Interf. Age | Je | p153 | a | The Westminster XEK Assembler for the North Star Disk by Alan R Miller |
| Interf. Age | Je | p158 | a | TMS9900 Interactive Monitor Part I by Burt Johnson |
| Interf. Age | Jy | p163 | a | TMS9900 Interactive Monitor Part II by Burt Johnson |
| Interf. Age | O | p132 | a | GP Monitor for M6800 4K - 8K - 16K or 32K Configuration by William E Warren |
| Kilobaud | F | p90 | a | Source Listing the Hard Way disassembling BASIC with BASIC by Clint H Woeltjen |
| Kilobaud | Ap | p118 | a | Get a Watchdog, to monitor those real-time operations by Dave Brickner |
| Micro | Je | p25 | a | A BASIC 6502 Disassembler for Apple and PET by Michael J McCann |
| Micro | Ag | p17 | a | A Simple 6502 Assembler for the PET by Michael J McCann |
| PCW | My | p26 | a | The Elegant MINMON, (Z80 Monitor) by Neil Harrison |
| PCW | O | p44 | a | Binary Finery. Extensions to the Minmon by Neil Harrison |
| PCW | N | p60 | a | Keeping An Orderly House. Monitors for Microprocessors by A Clements |
| Per. Comput. | D | p42 | a | Assembler for the PET by Mark Zimmerman |
| ROM | F | p44 | a | Assemblers by Eben Ostby |

PROGRAMMING & SOFTWARE: FUNDAMENTALS

| | | | | |
|-------------|----|------|---|-------------------------------------------------------------------------------------------|
| Byte | Ja | p136 | b | Practical Microcomputer Programming: the Intel 8080 by W J Weller, A V Shatzel & H Y Nice |
| Byte | Ja | p150 | a | A Novice's Eye on Computer Arithmetic by Wayne Ledder |
| Byte | Ap | p18 | a | A Introduction to Tables by F James Butterfield |
| Byte | Ap | p40 | a | Optimization: A Case Study by William Noyce |
| Byte | Ap | p155 | a | Avoid Self-Modifying Code by Don Kinzer |
| Byte | My | p161 | b | The Elements of Programming Style by B W Kernighan & P J Plauger |
| Byte | Je | p136 | a | Beware Compromising the Stack Pointer by Tom Pittman |
| Byte | S | p68 | a | Some Words About Program Structure by Albert D Hearn |
| Calc. Comp. | Ja | p34 | a | Techniques for Teaching BASIC to Beginners by LeRoy Finkel |
| Calc. Comp. | F | p5 | a | 8080 Machine Language Programming for Beginners by Ron Santore |
| Calc. Comp. | F | p60 | a | The FOR-NEXT Loop by Larry Trice |
| Calc. Comp. | Mr | p44 | a | 8080 Machine Language Programming for Beginners by Ron Santore |
| Calc. Comp. | Ap | p57 | a | 8080 Machine Language Programming for Beginners; The Input Subroutine by Ron Santore |
| Calc. Comp. | My | p25 | a | 8080 Machine Language Programming or Beginners; HI-LO (Game) by Ron Santore |

PROGRAMMING & SOFTWARE: FUNDAMENTALS continued

| | | | | |
|--------------|------|------|---|---------------------------------------------------------------------------------------------------------------|
| Calc. Comp. | My | p54 | a | Excerpts from Teach Yourself BASIC Book 2 by Bob Albrecht |
| Calc. Comp. | S | p4 | a | Big BASIC (Learning to write a Computer Game Program) by Flora Russ |
| Calc. Comp. | S | p82 | a | 8080 Machine Language Programming for Beginners (Button-Button Game) by Ron Santore |
| Comp. Des. | N | p158 | a | Interfacing Fund: Assembly Language or BASIC, Which Way to Go? by D Larsen, P Rony, C Titus & J Titus |
| Cr. Comput. | Ja | p24 | a | Programming Techniques: File Structures (Part 2) by John Lees |
| Cr. Comput. | Ja | p56 | a | The Mechanical Man (Flowcharting) by Ken Lebeiko |
| Cr. Comput. | Ja | p58 | a | The 8-hour Wonder. All About BASIC Programming in One Long Day by Thomas A Dwyer |
| Cr. Comput. | Mr | p54 | b | Logical Construction of Programs by Jean Dominique Warnier |
| Cr. Comput. | Mr | p96 | a | "Programming Is Learned by Practice, Not By Listening" by Jurg Nievergelt & Karl L Zinn |
| Cr. Comput. | Jy | p112 | a | What is BNF (Backus-Naur Form)? |
| Dig. Design | N | p20 | a | Program Design: Beware of flowcharting pitfalls by Lance Leventhal & William Walsh |
| Dr. Dobbs | Ja | p8 | a | Is Your Assembly Language Program Well Structured? by Webb Simmons |
| Dr. Dobbs | F | p5 | a | Decoding Efficiency & Speed: Pros & Cons of Table Look-Up by H T Gordon |
| EDN | Mr5 | p75 | a | The Software wall, and what you need to scale it by Jack E Hemenway |
| EDN | Je20 | p89 | a | Lost in Memory? Draw a map by Richard A Rosner |
| EDN | N 20 | p251 | a | EDN Software Systems Design Course by Jack Hemenway |
| Elec. Des. | My24 | p228 | a | Developing uC software requires a thorough knowledge of uP operation by D Philip Burton & Arthur L Dexter |
| Elec. Des. | Je7 | p116 | a | Develop cooperative uP subroutines that exchange info w/out hogging mem. by Stanley Mazor & Charles Pitchford |
| Elec. Des. | Je7 | p122 | a | Reduce your uC systems overhead with a system monitor analysis by Wes Patterson & Kurt Frisbie |
| Elec. Des. | Ag2 | p84 | a | Develop software with flowgrams rather than flowcharts by Tony Karp |
| Elem. Elec. | My | p81 | a | e/e Microprocessors, Their Number Systems and Codes |
| Elem. Elec. | Jy | p75 | a | Microprocessors, Their Number Systems and Codes |
| Interf. Age | F | p157 | a | Random Files Illustrated by Frederick E LaPlante |
| Interf. Age | Ap | p160 | a | DOCUMENTATION: Users can't do without it; but programmers can.. or ?? by Tom Fay |
| Interf. Age | My | p96 | a | Inside ASCII Part I by R W Beamer |
| Interf. Age | Jy | p154 | a | "A Usable Data Base"...What, Why, and How to Use It! by William Turner |
| Interf. Age | Ag | p103 | a | Implementing Random Access for a Name and Address Retrieval System by Gary Young |
| Kilobaud | Ja | p14 | b | How to Program Microcomputers by William Barden |
| Kilobaud | Ja | p70 | a | Understanding Loaders bootstrap, absolute, relocatable, etc. by T W Parsons |
| Kilobaud | Ja | p82 | a | Help for Beginning Programmers nine basic principles ease frustrations by John Leslie |
| Kilobaud | F | p16 | a | uComputers/uProcessors: Hardware, Software & Applications by Hilburn & Julich |
| Kilobaud | Mr | p6 | b | Computer Algorithms and Flowcharting by Silver & Silver |
| Kilobaud | Mr | p42 | a | Number Crunching Time, algebra the easy way by Mel Baker |
| Kilobaud | Ap | p86 | a | Explained: String Interpretations, parsing techniques for the 6800 by Gary Gaugler |
| Kilobaud | My | p48 | a | Computer Math Primer, beginner's introduction to number systems by Peter Stark |
| Kilobaud | Ag | p40 | a | Software Debugging for Beginners by John Leslie |
| Kilobaud | S | p80 | a | Error-Correcting Techniques by Gary J Shannon |
| Kilobaud | N | p114 | a | Loop the Loop, What is it? How do you use it? by James Gross |
| Kilobaud | D | p94 | a | How to Write Good Application Programs by Kamal Shah |
| Modern Elec | Je | p11 | a | Computers: Bytes, bits, decimals, etc Computer Machine Language by Pete Stark |
| PCW | My | p39 | a | Flowchart Your Way Out Of Trouble by V S Nicola & G Percival |
| PCW | My | p42 | a | Basic Pontoon by Guilbert Percival |
| PCW | Jy | p11 | a | Faster, More Efficient Programs by Sheridan Williams |
| PCW | Jy | p29 | a | Programming: A Personal Approach by Stephen Holden |
| PCW | Ag | p22 | a | From Ideas to Programmes |
| PCW | Ag | p27 | a | Take It Or Leave It; NIM-An Exercise in Flowcharting by Roger Hargrave |
| PCW | S | p30 | a | A First Course, Bits and Bytes by Robert Henely |
| PCW | O | p41 | a | Assembly Code Programming for the Beginner by Stephen Collins |
| PCW | D | p19 | a | As Per Your Instructions...Understanding Instructions & Data Coding by Victor Nicola |
| PCW | D | p45 | a | Brains v Brawn, The Evolution of a Computer Program by Oliver Dixon |
| Per. Comput. | Ja | p61 | a | Linear Programming: What's that? by Paul Whittington |
| Per. Comput. | F | p69 | a | Scaling the Cliffs to Computer Mastery Part II by Raymond Howell |
| Per. Comput. | Mr | p22 | a | Program Linking by O E Dial |
| Per. Comput. | Mr | p46 | a | Machine Language by John Palmer |
| Per. Comput. | Ap | p32 | a | Computer Heuristics If at first you don't succeed... by David Galef |
| Per. Comput. | Ap | p46 | a | Algorithms and Flow Diagrams, Step-By-Step Problem Solving by B A Scott |

PROGRAMMING & SOFTWARE: FUNDAMENTALS continued

| | | | | |
|--------------|----|------|---|----------------------------------------------------------------------------------------------------|
| Per. Comput. | Je | p76 | a | Relocatable Routines by Robert Irving |
| Per. Comput. | Je | p79 | a | Inside A Microcomputer: About programming Languages |
| Per. Comput. | Jy | p35 | a | Using Tables for Machine Language Programming by Steve A Hughes, Joe Celko & Elizabeth M Hughes |
| Pop. Elec. | Mr | p52 | a | Micro-Processor Microcourse Part 1 Numbering Systems by Forrest M Mims |
| Pop. Elec. | Jy | p88 | a | Computer Bits: Computer Arithmetic by Hal Chamberlin |
| Pop. Elec. | S | p108 | a | Computer Bits: Computer Arithmetic-Multiply and Divide by Hal Chamberlin |
| Pop. Elec. | N | p122 | a | Computer Bits: Computer Arithmetic-Floating Point by Hal Chamberlin |
| ROM | F | p54 | a | FLOW GRAMS A New Programming Tool by Tony Karp |
| ROM | Mr | p34 | a | Incomprehensible Programs by Joseph Weizenbaum |
| Radio Elec. | Je | p47 | a | how to Program a Computer by Art Kleiman |
| 73 | O | p146 | a | Interrupts Made Easy - for 8080/S-100 users by Jim Marr |

PROGRAMMING & SOFTWARE: OPERATING SYSTEMS

| | | | | |
|-------------|------|------|---|-----------------------------------------------------------------------------------------------|
| Dr. Dobbs | Ja | p10 | a | ISIS: Anatomy of a Real-World Operating System by Perry C Hutchison |
| Dr. Dobbs | Je | p3 | l | More on UNIX and More... by Jim Howell & Mary Elizabeth Kroening |
| Dr. Dobbs | Ag | p3 | l | UNIX Dialog Continues by Jeff Levinsky |
| Elec. Des. | Je21 | p94 | a | Operating Systems enhance uCs with big computer muscle by Gus Burzio |
| Elec. Des. | Ag16 | p108 | a | Let your uC tackle several programs with a multitasking operating system by David L Rippes |
| Interf. Age | Je | p42 | a | Southern California Users of RT-11 by Mark Bartelt |
| Interf. Age | Jy | p156 | a | CP/M: An 8080 Disk Operating System with Editor, Assembler & Debugger by Alan R Miller |
| Interf. Age | D | p130 | a | CP/M: An 8080/280 Disk Operating System. Part 2: Macro Assembler etc. by Alan R Miller |
| Kilobaud | Ap | p30 | a | CP/M Primer, a most sophisticated operating system by John F Stewart |
| Kilobaud | O | p72 | a | The Latest in Operating Systems for the 6800: FLEX by Mickey Ferguson |
| Mini Micro | Ap | p64 | a | UNIX by Malcolm L Stiefel |

PROGRAMMING & SOFTWARE: STRUCTURED PROGRAMMING

| | | | | |
|--------------|------|------|---|---------------------------------------------------------------------------------------------|
| Byte | Ja | p122 | a | Structured Programming with Warnier-Orr Diagrams (Coding the Program) by David A Higgins |
| Byte | F | p135 | l | Baking Baker (structured programming) by Shal Farley |
| Byte | Mr | p14 | l | Comments on Programming and Design Style by Douglas Drury |
| Byte | My | p145 | a | Warnier-Orr Diagrams: Some Further Thoughts by G T Wedemeyer |
| Byte | My | p161 | b | The Elements of Programming Style by B W Kernighan & P J Plauger |
| Byte | Je | p124 | a | The Importance of Choice Languages by I R MacCallum |
| Byte | Jy | p32 | a | Top-Down Modular Programming by Albert D Hearn |
| Byte | Ag | p78 | a | PASCAL A Structurally Strong Language by Stephen R Alpert |
| Byte | Ag | p143 | a | Designing Structured Programs by Chip Weems |
| Byte | S | p68 | a | Some Words About Program Structure by Albert D Hearn |
| Byte | O | p10 | l | Top-Down Modular Programming by Jim Fleming |
| Cr. Comput. | Mr | p58 | a | Structured Software for Personal Computing by Alan B Salisbury |
| Dig. Design | O | p30 | a | Structured Programming Formulates uP Program Logic by Lance Leventhal |
| Dr. Dobbs | Ja | p8 | a | Is Your Assembly Language Program Well Structured? by Webb Simmons |
| Dr. Dobbs | Mr | p10 | a | Strubal: A Structured BASIC Compiler by Robert D Grappel |
| EDN | S 20 | p63 | a | Simple method links modular programs by Fred Gutman |
| Electronics | Ja19 | p97 | a | Design microcomputer software like other systems-systematically by William F Dalton |
| Elec. Des. | S 1 | p110 | a | A structured higher-level language, English like TLC by Tony Karp & Marilyn Karp |
| Interf. Age | F | p82 | a | Structured Programming In BASIC by Kamal Shah |
| Interf. Age | Ap | p160 | a | DOCUMENTATION: Users can't do without it; but programmers can..or ?? by Tom Fay |
| Kilobaud | F | p84 | a | Why Structured Programming? some insights to consider by Lance A Leventhal |
| Kilobaud | My | p68 | a | The Top-Down Approach, with some practical examples by Lance A Leventhal |
| PCW | N | p66 | a | Staying In Shape by Michael James |
| Peoples | My | p27 | a | SKETCHCODE, A Documentation Technique for Computer Programmers by Todd Voros |
| Per. Comput. | My | p33 | a | Structured Programming by William L Roberts |

PROGRAMMING & SOFTWARE: UTILITY PROGRAMS

| | | | | |
|------|---|------|---|----------------------------------------------------------------------------------------------|
| Byte | F | p93 | c | Correction for Psuedorandom Number Generator (Byte Nov '77 p218) by John D Leasia |
| Byte | F | p93 | c | Correction for Programming Tidbit: Absolute Value (Byte Oct '77 p174) by Victor Kincannon |
| Byte | F | p168 | a | A Simple Digital Filter by Robert Grappel |

PROGRAMMING & SOFTWARE: UTILITY PROGRAMS continued

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------------------------------------------------|
| Byte | Ap | p46 | a | Hand Assembling M6800 Relative Addresses by Ray Boaz |
| Byte | Ap | p148 | a | BASIC Sorts by Rene E Pittet |
| Byte | Je | p130 | a | The Need for Relocating Loaders by K P Pielmeier |
| Byte | Jy | p115 | a | Fooling with the Stack Pointer by Tom Pittman |
| Byte | Jy | p119 | a | Beating North Star--MITS Incompatibility (Load MITS BASIC on N. Star) by Alan R Miller |
| Byte | Jy | p121 | l | Word of a Better Sort reference Byte Apr. '78 p143 by Neal McBurnett |
| Byte | N | p74 | a | TIMOUT Time Delay Subroutine (8080) by Christopher Strangio |
| Byte | D | p108 | a | An Easy Programming System by Joseph Weisbecker |
| Comp. Des. | Ja | p109 | a | Handling Multilevel Subroutines & Interrupts in Microcomputers (F8) by James F Vittera |
| Comp. Des. | F | p136 | a | uComputer Interfacing: Characteristics of the 8253 Programmable Timer by Marvin L Delong, J Titus, C Titus, P Rony & D Larsen |
| Comp. Des. | Mr | p134 | a | uComputer Interfacing: A Demo Program for the 8253 Timer by D Larson, P Rony, M Delong, C Titus & J Titus |
| Comp. Des. | Ap | p168 | a | uC Interfacing: Integer Addition & Subtraction by C Titus, J Titus, P Rony & D Larsen |
| Comp. Des. | Je | p135 | a | uC Interfacing: Command Decoders by C Titus, J Titus, P Rony & D Larsen |
| Comp. Des. | S | p101 | a | Designing Interrupt Structures for Multiprocessor System by Rajen Jaswa |
| Cr. Comput. | Ja | p96 | a | A New Fast Sorting Algorithm by Richard Hart |
| Cr. Comput. | N | p52 | a | Profile: The CP/M Disk Operating System by Steve North |
| Cr. Comput. | N | p116 | a | INDXA A BASIC Routine File Index by Rod Hallen |
| Dr. Dobbs | F | p5 | a | Decoding Efficiency & Speed: Pros & Cons of Table Look-Up by H T Gordon |
| Dr. Dobbs | F | p10 | a | A Simple Technique for Static Relocation of Absolute Machine Code by Gary A Kildall |
| Dr. Dobbs | F | p14 | a | Relocation is Not Just Moving Programs by Richard L Roth |
| Dr. Dobbs | Mr | p11 | a | A Z-80 Tracer by Arthur W Cline |
| Dr. Dobbs | Mr | p13 | a | A KIM Binary Calculator by John Eaton |
| Dr. Dobbs | Ap | p4 | a | List Processing Unraveled: Pointers, Chains, Rings & Trees by J M Terry |
| Dr. Dobbs | Ap | p12 | a | A 1K Debugger for the Z-80 by Les Hancock |
| Dr. Dobbs | Ap | p20 | a | 8080 Quicksort by Mike Gabrielson |
| Dr. Dobbs | My | p34 | a | EDITHA, A Revision of the Fylstra KIM-1 Editor Program by H T Gordon |
| Dr. Dobbs | Je | p18 | a | AUTODUMP: A Memory Dumper for POLY88 Tape System by Richard B Emerson |
| Dr. Dobbs | Ag | p22 | a | A 1K Utilities Package for the Z-80 by Les Hancock |
| Dr. Dobbs | Ag | p27 | a | A Shorter Printer Driver for PolyMorphic's BASIC by Richard B Emerson |
| Dr. Dobbs | Ag | p34 | a | A BASIC Renumbering Program by John B Trenham |
| Dr. Dobbs | Ag | p42 | a | Custom File Routines for ALS-8 by Larry Marek |
| Dr. Dobbs | S | p38 | a | Dumping Northstar Disk Files by Titus Purdin |
| Dr. Dobbs | O | p3 | l | Pushing 8080 Registers by Mike Gabrielson |
| Dr. Dobbs | O | p43 | l | Clearing 6800 Memory by Mike Gabrielson |
| Dr. Dobbs | N | p40 | a | Copying a Diskette on Intel Double Density DOS by Paul Julich |
| EDN | Ja5 | p31 | a | M6800 subroutine compares character strings by Jack E Hemenway |
| EDN | Ja20 | p37 | a | Scanning bidirectional lists with one link by Eli Sternheim |
| EDN | F 5 | p24 | a | Generate delays on your SBC 80/10 board by George Caplan |
| EDN | Mr5 | p36 | a | M6800 subroutines use stack to save X-register by Jack E Hemenway |
| EDN | Mr20 | p52 | a | Fast string-comparison routine serves the M6800 by Thomas A Pickering |
| EDN | Ap5 | p38 | a | Implement a FIFO stack with software by Robert Grappel |
| EDN | Ap20 | p38 | a | Z80 subroutine performs function-table look-up by Avram Grossman |
| EDN | My20 | p42 | a | 8080 subroutine compares character strings by Cal Sondgeroth |
| EDN | Ag5 | p54 | a | 6502 routine compares character strings by John T O'Donnell |
| EDN | Ag5 | p58 | a | Interactively intelligent systems require an extra effort by Robert Cushman |
| EDN | Ag20 | p67 | a | Improved M6800 routines stack X register by Kalit Kumar |
| EDN | S 20 | p63 | a | Simple method links modular programs by Fred Gutman |
| EDN | O 5 | p83 | a | 3870 routine performs parity check by Robert Burckle |
| EDN | N 20 | p84 | a | Emulate RPN with 8080 stack register by Fred Gutman |
| Electronics | Ap27 | p126 | a | PROM adds bootstrap loader to Intellec-8 development system by Bernard Boule' & Simon Gagne' |
| Electronics | D 21 | p118 | a | 8080's stack pointer transfers data blocks fast by Prakash Dandekar |
| Elec. Des. | F 15 | p101 | a | Multitask uP executive routine uses only six instructions by David W Johnson |
| Elec. Des. | My24 | p246 | a | Stop display jitter with software by Gregory Yuen |
| Elec. Des. | Ag16 | p142 | a | Avoid modifying your uP program when you change option ROMs by Thomas A Seim |
| Interf. Age | Mr | p165 | a | A Relative Jump Ruler, Speeds Machine Language Programming by John S MacDougall |
| Interf. Age | Mr | p166 | a | A 6800 Relocator by Neal Champion |
| Interf. Age | Ag | p22 | c | Correction for A 6800 Relocator (Interface Age March '78) by Neal Champion |
| Interf. Age | My | p166 | a | LOOK by Kenyon Swartwout |
| Interf. Age | My | p170 | a | A Memory Catalog Program by Jim Baumgardt |
| Interf. Age | Ag | p21 | c | Addition to Memory Catalog Program (Interf. Age May '78) by David L Johnson |
| Interf. Age | Je | p155 | a | Insert To Stop TV Display by John Musgrove |

PROGRAMMING & SOFTWARE: UTILITY PROGRAMS continued

| | | | | |
|--------------|----|------|---|-------------------------------------------------------------------------------------------------------------|
| Interf. Age | Ag | p18 | 1 | Addition to LOOK (Interface Age May '78) by Richard H Smith |
| Interf. Age | S | p134 | a | Copy/Sort/Search: 8080 Data Manipulation by Steven K Roberts |
| Interf. Age | N | p125 | a | A Generalized 8080 String Sorting Routine by Chris Terry |
| Interf. Age | D | p10 | 1 | Program to Sort Files by Henry Murphy |
| Interf. Age | D | p84 | a | Sequential Files---WEDGE by Martin Knight |
| Interf. Age | D | p136 | a | M6800 Data or Program Address Locator by Gordon W Wolfe |
| Kilobaud | Mr | p24 | a | Hardware Program Relocation Part 2: The Software by Dr Michael Wingfield |
| Kilobaud | Ap | p52 | a | Utility Routines, useful programs for your 6800 by James P Fentress |
| Kilobaud | My | p42 | a | Writing Diagnostic Routines, while your machine is running by Robert Baker |
| Kilobaud | My | p44 | a | Experiments in Software, serial to parallel conversion by Dan Stogdill |
| Kilobaud | My | p94 | a | Strings and Things, BASIC conversion techniques by Richard Roth |
| Kilobaud | My | p100 | a | 5 Minutes or 5 Hours? sorting techniques compared by Thomas E Doyle |
| Kilobaud | My | p112 | a | A Different Search Technique, don't just try it--benchmark it by Glen Charnock |
| Kilobaud | Je | p72 | a | Transfer Vectors vs Absolute Addressing by William Nichparenko |
| Kilobaud | Je | p76 | a | Error Correcting Codes by Jeffery G Towle |
| Kilobaud | Jy | p64 | a | MIKBUG with Muscle! Microware Systems KT-68/MX by Mickey Ferguson |
| Kilobaud | Jy | p68 | a | Little Bits: String Expansion, Square Root Routine, etc. |
| Kilobaud | N | p68 | a | Headecimal Memory Dump by Cal R Rasmussen |
| Micro | Ap | p23 | a | The Micro Software Catalog (Index of 6502 Software) by Mike Rowe |
| Micro | Je | p23 | a | The Micro Software Catalog: II List of programs by Mike Rowe |
| Micro | Je | p39 | a | A Block HEX Dump and Character Map Utility Program for the KIM-1 by J C Williams |
| Micro | Ag | p23 | a | The MICRO Software Catalog: III by Mike Rowe |
| Micro | Ag | p25 | a | A Debugging Aid For The KIM-1 by Albert Gaspar |
| Micro | Ag | p45 | a | APPLE Integer BASIC Subroutine Pack and Load by Richar F Suttor |
| Micro | O | p5 | a | Breaker: An Apple II Debugging Aid by Rick Auricchio |
| Micro | O | p19 | a | 650X Opcode Sequence Matcher by J S Green |
| Micro | O | p29 | a | The MICRO Software Catalog IV by Mike Rowe |
| Micro | D | p31 | a | An Apple II Program Relocator by Rick Auricchio |
| Micro | D | p35 | a | SYM-1 Tape Directory by John Gieryc |
| PCW | My | p6 | a | The Searcher (6800) |
| PCW | Je | p54 | a | 4 Easy Pieces: Random, Multiply, Potentiometer, Z80 Instructions by Neil Harrison |
| PCW | Jy | p52 | a | 8080 Debug Routine by Margaret Berg |
| PCW | S | p42 | a | The Soft Facade (Front Panel Software) by G J Flanagan |
| PCW | S | p44 | a | A Filling Routine by John Coll |
| PCW | S | p45 | a | Statpack by Colin Chatfield |
| PCW | N | p45 | a | The Power of Positive Tabling by R W Davy |
| PCW | D | p52 | a | Compare by John Coll |
| Peoples | My | p51 | a | BASIC 5 Strings (Strings for SOL 20) by Fr. Thomas McGahee |
| Per. Comput. | Ag | p95 | a | The Random Way to Lose Your Dough (Random # Generator) by Ron Santore |
| Per. Comput. | O | p62 | a | Scrolling with an Unseen Hand by Karen S Wolfe |
| Radio Elec. | Ag | p64 | a | Computer Corner: A Demostration Program for the 8253 Timer by C Titus, M DeJong, D Larsen, P Rony & J Titus |
| 73 | My | p103 | a | Pseudorandomness Is Just Not Good Enough - true random happiness w/ Z-80 by John Rheinstein |
| 73 | Je | p111 | a | Hey! Wait For Me! - slowing computers to reading speed by Charles E Thomas |
| 73 | O | p146 | a | Interrupts Made Easy - for 8080/S-100 users by Jim Marr |

PUBLIC ACCESS

| | | | | |
|-------------|----|------|---|-----------------------------------------------------------------------------------------|
| Byte | F | p14 | a | CIE Net: A Network of Community Information Exchanges Part 1: Beginnings by Mike Wilber |
| Byte | Mr | p152 | a | CIE Net: A Network of Community Information Exchanges Part 2: Protocols by Mike Wilber |
| Byte | Ap | p168 | a | CIE Net: Community Information Exchanges Part 3: Other Considerations by Mike Wilber |
| Byte | N | p150 | a | Hobbyist Computerized Bulletin Board by Ward Christensen & Randy Suess |
| Cr. Comput. | Jy | p116 | b | Computers and the Cybernetic Society by Michael A Arbib |
| Cr. Comput. | S | p108 | a | Freedom and the Computer by Jon R Welton |
| Cr. Comput. | S | p166 | a | Prospective Externals of the Xanadu Hypertext Network by Theodor Nelson |
| Dr. Dobbs | Ja | p6 | 1 | Goodies from the Government by Ronald W Orr |
| Dr. Dobbs | Je | p44 | 1 | Computer Network Poll by Ward Christensen |
| Dr. Dobbs | S | p36 | a | New Computer Law by John S James |
| Dr. Dobbs | O | p16 | a | The Dicast Project: by Jim C Warren |
| Kilobaud | My | p12 | a | Legal Business Forum: Personal Privacy by Kenneth S Widelitz |
| PCW | Ag | p58 | a | Computing for Everybody by Magnus Magnusson |
| Peoples | Jy | p34 | a | Computers and Science Museums: A Public Access Model by Bob Kahn |
| Peoples | S | p20 | a | Computers and Science Museums: A Public Access Model by Bob Kahn |

PUBLIC ACCESS continued

Peoples N p7 a Marin Computer Center by Annie Fox
 Per. Comput. Jy p32 a Computers, Politics and Planning by Liz Einstein

ROBOTICS

Byte Ja p11 a The Brains of Men and Machines, Part 1: Biological Models for Robotics
 by Ernest W. Kent, Univ of Ill.
 Byte F p22 c Correction for Newt A Cognitive Robot (Byte June '77 p30. 44, 45)
 by Ralph Hollis
 Byte F p35 a Taking the First Step (Stepper Motors) by Robert E Bober
 Byte F p84 a The Brains of Men and Machines Part 2: How the Brain Controls Outputs
 by Ernest W Kent
 Byte Mr p74 a The Brains of Men and Machines Part 3: How the Brain Analyzes Input
 by Ernest W Kent
 Byte Ap p66 a The Brains of Men & Machines Part 4: The Machinery of Emotion & Choice
 by Ernest W Kent
 Byte Ap p132 a Robot Simulation on Microcomputers by John Webster
 Byte Jy p118 c Correction for: Robot Simulation on uComputer (Byte April '78 p 136)
 Byte Ap p146 m Department of Robotics Hocum by Carl Helmers
 Byte My p158 b The Dragons of Eden by Carl Sagan
 Byte My p178 b Mortal Engines by Stanislaw Lem
 Byte Ag p24 a On Building a Light-Seeking Robot Mechanism by Stephen A Allen & Tony Rossetti
 Calc. Comp. My p11 a A Simple Microcomputer-Controlled Programmable Robot by Mike Folk
 Comp. Des. Ja p43 a Digital Technology Enables Robots to "See" by Sydney F Shapiro
 Cr. Comput. Ja p68 a Human Memory Processes by Susan Hastings
 Cr. Comput. Jy p52 a Man-Machine Tactile Communication by A Michael Noll
 Cr. Comput. Jy p105 a ROM's Robot Review Part III: Walking Through the Woods
 by A I Karshmer & J H Prager
 Cr. Comput. N p124 a Robot Programming: Not As Easy As It Looks by Arthur Karshmer
 Dr. Dobbs My p17 a Yet Another Body; Some Additions to Lichen Wang's Robot Control Language
 by Ken Anderson
 Interf. Age Ap p42 a The Mind Revolution, Robotics & Artificial Intelligence by Merl Miller
 Interf. Age Ap p62 e Robotics Editorial by Sandi McKeen
 Interf. Age Ap p63 a Where Robot Mice And Robot Men Run Round in Robot Towns by Ray Bradbury
 Interf. Age Ap p65 a The History of Robots by Forest Ackerman
 Interf. Age Ap p69 a The Quasar Industries' Robot; A Dream That Came True by Gene Beley
 Interf. Age Ap p74 a From Steam Engines to Robots...The Hierarchies of Robotic Devices
 by F W Chesson
 Interf. Age Ap p78 a Star Wars; Special Production and Mechanical Effects by John Stears
 Interf. Age Ap p80 a A Natural Approach to Artificial Intelligence by Roger C Garrett
 Interf. Age Ap p85 a Robots in Manufacturing by Ashok K Nagrani
 Interf. Age Ap p101 a ROBOTS: Making Them Work by Roger C Garrett
 Interf. Age Ap p104 a Robbie and Gronk Mobile Robots by Keith Paul
 Interf. Age Ap p110 a The 8085 in Robot Design by Frank Da Costa
 Interf. Age Ap p112 a A Vocal Interface for Your Robot by Frank DaCosta
 Interf. Age Ap p156 a ARASEM: A Programming Approach for Robots by Frank DaCosta
 Interf. Age My p32 a The Mind Revolution; What is a Robot?...Intelligence? by Merl Miller
 Interf. Age Je p8 l Letters about the Quasar Robot
 Interf. Age Je p24 a The Mind Revolution; Robots vs Controllers by Merl Miller
 Interf. Age Jy p33 a The Mind Revolution by Merl Miller
 Interf. Age Ag p52 a The Amazing Micro Mouse Contest
 Interf. Age S p42 a The Mind Revolution, History of Robots, etc. by Merl Miller
 Interf. Age O p43 a The Mind Revolution: Robot History by Merl Miller
 Interf. Age D p42 a The Mind Revolution: Book List by Merl Miller
 Modern Elec My p44 a Make your own R2-D2 robot sound effects by David L Heiserman
 Modern Elec O p55 a Powering Your Robot by David Heiserman
 Peoples Ja p54 a A Carefull Bull in the China Shop; A cheap Approach to Robotics
 by Robert Rossum
 Peoples Mr p51 a The Patter of Little Feet; A Cheap Approach to the Mechanics of Robotics
 by Robert Rossum
 Peoples Jy p13 a ROBOTS in LITERATURE and in LIFE by Loretta Graziano
 Peoples Jy p16 a And It Will Serve Us Right by Isaac Asimov
 Per. Comput. F p56 a Building Your BASIC Robot by Sam Newhouse
 Per. Comput. O p39 a The "Grivet", A New Traveling Companion for the Microcomputer
 by Harry Shershaw
 ROM Ja p22 a Synthetic Skin for Your Robot and How to Make It by Stephen J Chiodo
 ROM F p14 a AIQuotient: ROM's Robot Review Part 1: History-ROMance to Reality
 by A I Karshmer
 ROM Mr p18 a ROM's Robot Review Part 2: Quasar-Fact, Fancy or Fraud by A I Karshmer

ROBOTICS continued

Spectrum N p62 a Three Amazing Micromice: Hitherto Undisclosed Details by Roger Allan

SERIAL I/O

Byte N p136 a Transmission of Digital Data Over Twisted Pair Lines by Edward Beebe
 Comp. Des. F p12 a Asynchronous Timing Error Characteristics by John E Buckley
 Comp. Des. Mr p14 a Synchronous Timing Error Characteristics by John E Buckley
 Comp. Des. Jy p77 a Serial Communication Protocol Simplifies Data Trans. & Verification
 by John Fletcher
 Comp. Des. Ag p103 a Code Conversion Techniques for Digital Transmission by S Ghosh
 Comp. Des. Ag p112 a Interval Timer Serves as a Baud Rate Generator 8253 by John Beaston
 Comp. Des. D p85 a Wideband Communication System Improves Response Time by James F Wanner
 EDN Mr20 p87 a UP-based data communications involves more than mere I/O
 by Charles J Gillespie
 EDN Ap20 p124 a Before loading programs, implement a software UART by Jack E Hemenway
 EDN Ag20 p89 a Serial I/O thrusts Indecomp into asynchronous communications by John Conway
 EDN S 5 p119 a CRC Error-detection scheme ensure data accuracy by Krishna Rallapalli
 EDN O 20 p109 a Simplify serial data links with LSI chips by Alan J Weissberger
 EDN N 20 p81 a UART adds fast I/O to 6502 system by Carl W Moser
 Electronics Mr16 p123 a Communications chip interfaces with most microprocessors (ACE) by Sam Travis
 Electronics Je8 p104 a Data Link Control Chips: Bringing order to data protocols by Alan Weissberger
 Electronics D 21 p89 a What designers should know about off the shelf fiber optic links
 by Harvey Hindin
 Elec. Des. Ap26 p42 a IC push into data communications relieves processors, cuts software
 by Dick Hackmeister
 Elec. Des. S 13 p124 a RAM-based multiplexer systems can save big chunks of hardware by Zaheer M Ali
 Interf. Age O p46 a From the Fountainhead: Serial Communications by Adam Osborne
 Kilobaud My p44 a Experiments in Software, serial to parallel conversion by Dan Stogdill
 Kilobaud Ag p108 a Who Needs a UART? by F J Greeb
 Kilobaud N p38 a Kilobaud Classroom #14: Parallel and Serial I/O Ports by Peter A Stark
 Kilobaud N p84 a Build a Serial to Parallel Converter by F R Ruckdeschel
 Kilobaud D p70 a Two Interface Boards from Teletek; Serial, Tape
 by Mitchell Wolrich & Jeff DeTray
 Kilobaud D p100 a Sharing Scheme for RS-232 Channels by Robert Bosen
 Micro Ag p5 a Design of a PET/TTY Interface by Charles R Husbands
 Mini Micro Jy p74 a Coping With Data Transmission Errors by Terry Smetanka
 Radio Elec. My p45 a Digital Data Transmission-How A Computer Communicates by Phil Hughes

SHOWS & CONVENTIONS

Byte F p178 a New York Notes by Chris Morgan
 Byte Jy p16 a The Second West Coast Computer Faire by Chris Morgan
 Byte S p10 a The NCC '78 Personal Computer Show by Chris Morgan
 Cr. Comput. S p34 a Random Ramblings, Random Ramblings, Random Ramblings..... by David H Ahl
 Cr. Comput. N p62 a Personal Computing '78 by John Craig
 Electronics My25 p157 a NCC eyes new roles for computer with emphasis on energy problem
 by Raymond P Capece
 Electronics Ag31 p156 a Telecommunications, microprocessors share star roles at WESCON
 Interf. Age Ja p39 a Programming The Human Computer; How To Get The Most Out Of A Convention
 by Merl Miller
 Kilobaud Je p36 a A Tour of the Faire (Part 1) by John Craig
 Kilobaud Jy p36 a A Tour of the Faire (Part 2) by John Craig
 Kilobaud Je p67 a Personal Computer Shows by Paul J Terrell
 PCW N p41 a Personal Computer World, Our Show
 Peoples My p24 a A Faire View by Jef Raskin

SIMULATION & COMPUTER MODELING

Byte Ja p144 a Simulation of Motion, Part 3: Model Rockets and Other Flying Objects
 by Stephen P Smith
 Byte My p155 c Correction for: Simulation of Motion Part 3 (Byte Jan '78) by Stephen P Smith
 Byte F p42 a Simulation of Motion Part 4: Extended Objects, Applications for Boating
 by Stephen P Smith
 Byte F p52 a Add a \$3 Light Pen to Your Video Display by John Webster and John Young
 Byte Ap p64 c Correction for Simulation Article (Byte Nov '77 p18) by Jack W Crenshaw
 Byte Ap p132 a Robot Simulation on Microcomputers by John Webster
 Byte Jy p118 c Correction for: Robot Simulation on uComputer (Byte April '78 p 136)
 Calc. Comp. F p48 a Whale Watching at San Diego, Calif. Gray Whale (Computer Simulation)
 Calc. Comp. F p53 a Stimulating Simulations by C William Engel

SIMULATION & COMPUTER MODELING continued

| | | | | |
|--------------|----|------|---|------------------------------------------------------------------------------------------------------------|
| Calc. Comp. | Ap | p85 | a | California Gray Whale; Computer Simulation |
| Calc. Comp. | S | p66 | a | How to Get Dead Drunk and Survive (Do it as a Computer Simulation!) by John Cook |
| Comp. Des. | Mr | p116 | a | Computer Simulation Program for a Second Generation Handheld Calculator by Ronald Zusman |
| Cr. Comput. | Ja | p26 | a | SFS Walletsize Space-Shuttle Simulator |
| Cr. Comput. | Ja | p48 | a | World 2 (Simulation) by James L Murphy |
| Cr. Comput. | Ja | p88 | a | How to Write a Computer Simulation by David H Ahl |
| Cr. Comput. | Mr | p54 | b | Global Simulation Models: A Comparative Study by John Clark & Sam Cole |
| Cr. Comput. | My | p34 | a | Modelling the Cat Falling |
| Cr. Comput. | My | p81 | b | Stimulating Simulations by C W Engel |
| Cr. Comput. | My | p88 | a | Computer Animation: Out of the Lab and Onto the TV Screen by Arthur Bellaire |
| Cr. Comput. | S | p69 | a | Computer Simulations and Problem-Solving in Probability by John S Camp |
| Cr. Comput. | S | p72 | b | Books on Business Games and Simulation Techniques |
| Cr. Comput. | S | p74 | a | Jury Selection: A Simulation by Gary Greenberg |
| Cr. Comput. | S | p78 | a | Real World Games (Management Decisions) by Robert D Chadbourne |
| Cr. Comput. | S | p82 | a | Simulation and Gaming References |
| Cr. Comput. | S | p104 | a | A Computer Activity for Building a Linear Model of Data by Kenneth J Travers |
| Cr. Comput. | S | p121 | a | Evaluating Stock Options or How to Lose it a Little Slower by Allen C Hagelberg |
| Interf. Age | F | p56 | a | SFS Walletsize Spaceship Simulator Part I by Lance E Strickler, John H Buffington & Ivy Fleck Strickler |
| Interf. Age | F | p161 | a | Programmable Calculator Modeling of Experimental Data by M Patt, J R A Lemieux & L Fisher |
| Interf. Age | Mr | p60 | a | SFS Walletsize Spaceship Simulator Part II |
| Interf. Age | My | p8 | 1 | Programmable Calculator Modeling of Experimental Data for TI59 by L Fisher, J R A Lemieux & M Patt |
| Interf. Age | N | p122 | b | Star Ship Simulation by Roger Garrett |
| Kilobaud | Ap | p13 | b | Simulating Simulations by C William Engel |
| Kilobaud | Ap | p82 | a | Kid Korner. Cash Register: a practical math simulation by John Eric Victor |
| Kilobaud | Je | p18 | c | Correction for 8080 Simulator (Kilobaud Sept '77) by Rick Beutnagel |
| PCW | My | p59 | a | Cutting the World Down to Size by Werner Sieber |
| Peoples | My | p16 | a | Casino, A Small System Simulator by Borge Christensen |
| Peoples | My | p44 | b | Simulating Simulations by C William Engels |
| Peoples | Jy | p48 | a | Gambler's Paradox; A Lesson in Coin Tossing Using Computer Simulation by Bob Kahn |
| Per. Comput. | Ja | p89 | a | Boxing by Computer by Joseph J Roehrig |

SPEECH

| | | | | |
|--------------|------|------|---|------------------------------------------------------------------------------------------|
| Byte | Je | p56 | a | Give an Ear to Your Computer; A Speech Recognition for Experimentors by Bill Georgiou |
| Byte | Je | p142 | a | Add a Voice to Your Computer for \$35; Talk to Me! by Steve Ciarcia |
| Calc. Comp. | S | p42 | a | Hi! I'm Your Speak & Spell by Bill Kernahan |
| Comp. Des. | Mr | p128 | a | Oral Annunciator with Programmable Vocabulary |
| Comp. Des. | S | p200 | a | Monolithic PMOS Speech Synthesiser Models Vocal Tract on a Single Chip |
| Comp. Des. | N | p188 | a | Single Chip Speech Synthesizers by Scott Smith |
| Cr. Comput. | My | p36 | a | Profile: AI 1000 Speech Synthesizer (and our talking tennis game) by Steve North |
| Cr. Comput. | My | p38 | a | Tennis Match. A Talking Game! by Steve North |
| Cr. Comput. | S | p62 | a | Profile: Computalker CT-1 Speech Synthesizer by Steve North |
| Dig. Design | F | p86 | a | Speech Synthesis, Make Computers TALK! by Michael Chester |
| Dr. Dobbs | S | p42 | a | Vocal Memory Dump by Phil Mork |
| Dr. Dobbs | O | p30 | a | Data-Boy Speech Processor by James Anderson |
| EDN | F 5 | p19 | a | uC-based key-to-speech synthesizer gives stroke victims a voice by Sam Davis |
| Electronics | Je22 | p39 | a | Single silicon chip synthesizes speech in \$50 learning aid |
| Electronics | Ag31 | p109 | a | Three-chip system synthesizes human speech by Richard Wiggins & Larry Brantingham |
| Elec. Des. | Jy19 | p32 | a | Here's a breakthrough-a low-cost speech synthesizer on a chip TI by Nicholas Bodley |
| Interf. Age | Ap | p112 | a | A Vocal Interface for Your Robot by Frank DaCosta |
| Per. Comput. | Mr | p35 | a | Speech Synthesizer Makes Computers Talk by Michael Chester |

STANDARDS

| | | | | |
|------|----|------|---|-------------------------------------------------------|
| Byte | Ja | p120 | m | When is ASCII Not ASCII? |
| Byte | F | p19 | a | Complete ASCII by David M Ciemiewicz |
| Byte | F | p175 | a | A Standard for Writing Standards by David Wallace |
| Byte | Mr | p148 | a | The Altair (S-100) Bus Forum: PCC 77 by John McCallum |

STANDARDS continued

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------------------|
| Byte | My | p163 | a | Standardization of High Level Languages: Some Questions by E M Greene |
| Comp. Des. | N | p170 | a | IEEE488: A Proposed uC I/O Bus Standard by Bert E Forbes |
| Dr. Dobbs | My | p40 | a | Proposed Standard for the S-100 BUS by George Morrow |
| Dr. Dobbs | N | p18 | a | Programming Languages and Standards by David Chapman |
| Dr. Dobbs | N | p34 | a | The STD Bus: A Critical Look at a Proposed New Standard by Keith Britton |
| EDN | F 20 | p97 | a | uC bus standardization--Will designers' needs be met? by Robert H Cushman |
| EDN | Ap5 | p77 | a | uC bus standardization makes (dollars and) sense by Carol A Ogdin |
| Electronics | Jy20 | p113 | a | Microprocessor bus standard could cure designers' woes (Microbus) by Gordon Force |
| Electronics | D 7 | p143 | a | Standard symbols let designers grasp logic operation quickly and easily by Bill King |
| Interf. Age | My | p96 | a | Inside ASCII Part I by R W Bemer |
| Interf. Age | Je | p64 | a | Inside ASCII Part II by R W Bemer |
| Interf. Age | Jy | p80 | a | Inside ASCII Part III by R W Bemer |
| Interf. Age | Je | p146 | a | IAPS: International ASCII Publication Standard; Making Tapes on 8080 Sys by Alan R Miller |
| Interf. Age | Ag | p122 | a | A Designer's Notes On The S-100 Bus Standard Proposal Prel. Specs. by Kells A Elmquist |
| Interf. Age | N | p74 | a | International ASCII Publishing Standard (IAPS) Notebook by Bill Turner |
| PCW | Je | p69 | a | E78 The Europa Bus; A uProcessor Bus Spec. for EUROCARD by Bob Cottis, Dave Howland & Pat Crowe |
| PCW | Jy | p76 | c | Correction for E78 Bus Specification (PCW Jun '78) |

STORES & ENTERPRISES

| | | | | |
|--------------|----|-----|---|----------------------------------------------------------------------------------------------|
| Byte | Ja | p27 | a | The IRS and the Computer Entrepreneur by Elizabeth M Hughes |
| Calc. Comp. | Mr | p41 | a | Computer Stores (list) |
| Calc. Comp. | Ap | p90 | a | MECC Listing for LEMONADE Selling Programm |
| Cr. Comput. | Jy | p6 | e | Service and Support by Stephen B Gray |
| Dr. Dobbs | Ja | p7 | l | Consumer Do's and Don't's from a Dealer by Bobby Williams |
| Interf. Age | Ja | p46 | a | ...From The Fountainhead; Mail Order Purchasing by Adam Osborne |
| Interf. Age | Mr | p40 | a | The Jurisprudent Computerist; Subchapter C Corporations by Elliot MacLennan & Stephen Murtha |
| Interf. Age | Mr | p42 | a | Programming the Human Computer: Beware the Vulture Capitalist by Merl Miller |
| Interf. Age | My | p38 | a | Jurisprudent Computerist: Jubchapter C Corporations by Elliot MacLennan & Stephen Murtha |
| Interf. Age | My | p47 | a | European Interface: Another European Computer Sore by Hans Drewitz & Roland Hesse |
| Interf. Age | Je | p21 | a | White Collar Computer: Computer Stores by James S White |
| Interf. Age | Je | p26 | a | Jurisprudent Computerist; Setting up an Business by Elliot MacLennan |
| Interf. Age | Jy | p37 | a | Jurisprudent Computerist; Benifits of a Company by Elliot MacLennan & Stephen Murtha |
| Interf. Age | Jy | p89 | a | Business Editorial: Small Business = Big \$ For Computer Stores by Neal Moran |
| Interf. Age | Ag | p41 | a | Jurisprudent Computerists: Business Plans by Elliot MacLennan & Stephen Murtha |
| Interf. Age | S | p49 | a | Jurisprudent Computerist: Business Plans by Elliott MacLennan & Stephen Murtha |
| Interf. Age | N | p4 | e | Editors Notebook: Manufactures/Retailers You Should Read This by Carl Warren |
| Interf. Age | D | p28 | a | Jurisprudent Computerist: Maximizing Your Tax Benefits by Elliot MacLennan & Stephen Murtha |
| Kilobaud | Ja | p16 | a | Legal Business Forum: Warranties by Kenneth S Widelitz |
| Kilobaud | F | p6 | a | Around the Industry (Shugart) by John Craig |
| Kilobaud | Ap | p80 | a | Blue is the Color. Solid State Music is the company (Memory, video, etc) by Joe Kasser |
| Kilobaud | Ag | p9 | a | Legal/Business orum; Procedures for starting a Small Business by Kenneth S Widelitz |
| Kilobaud | O | p8 | a | Legal/Business Forum: Trademarks by Kenneth S Widelitz |
| Kilobaud | O | p10 | b | How to Profit From Your Personal Computer: Professional. Business & Home by T G Lewis |
| Kilobaud | O | p80 | a | Will Dec and IBM Be the Final Winners by J Tom Badgett |
| Mini Micro | Ap | p98 | a | Where The Small Businessman Holds An Edge (The Micro Industry) by Adam Osborne |
| Mini Micro | My | p58 | a | The Computer Portrait Business |
| PCW | Je | p30 | a | Exploit or Cultivate? Comment on the Personal Computer Business by Guy Kewney |
| PCW | Je | p42 | a | The Entrepreneurs, PCW Interview |
| PCW | Jy | p14 | a | A Day in the Life of a Retail Computer Store CIRCA 1981 by Tim Moore & Andrew Stephenson |
| Peoples | Mr | p28 | a | Byte Industries; Nels Winkless Tells What's Happening by Nels Winkless |
| Per. Comput. | Ja | p41 | a | What Should You Charge For Computer Services by Elizabeth M Hughes |
| Per. Comput. | Ja | p49 | a | A Balanced Portfolio of Money Making Ideas by Kenneth Fritz |
| Per. Comput. | Ja | p51 | a | Ed Roberts discusses The Industry: Where it's at! |
| Per. Comput. | Mr | p39 | a | Personal Computing In Japan by Prof Haruisha Ishida |

STORES & ENTERPRISES continued

ROM Ja p93 a Legal ROMifications: Warranties? by Peter Feilbogen

TERMINALS

| | | | | |
|--------------|-----|------|---|-----------------------------------------------------------------------------------------------------|
| Byte | S | p147 | a | Making an H9 Understand Lower Case by George J Frye |
| Byte | O | p130 | a | Assembling the H9 Video Terminal by Terry T Steeden |
| Comp. Dec. | S | p62 | a | CRT Display Terminals |
| Dig. Design | Ja | p54 | a | Terminals: CRT, Graphic & Printing |
| Dig. Design | N | p66 | a | Key to the 4th Generation CRT: Custom LSI Circuitry by David Ratcliff |
| Dig. Design | D | p81 | a | CRT Terminals by Robert kelton |
| Dig. Design | D | p86 | a | Communication Terminal Systems |
| Dr. Dobbs | F | p46 | l | SWTPC CT-1024 Automatic Scroll by R T Boute |
| Dr. Dobbs | Je | p4 | a | Intelligent Terminal Implementation for the S-100 Bus using IDS 88 Modem by Tim Pugh |
| Dr. Dobbs | O | p42 | c | DC Hayes Response to Modem Comparison (DDJ Jun '78) by Donald J Hyde |
| Dr. Dobbs | S | p30 | a | MAKING A NEW case FOR THE HEATH H-9 TERMINAL by Howard L Nurse |
| EDN | Je5 | p74 | a | CRT Terminals, programmability's the key to IQ by Sam Davis |
| Elec. Des. | Jy5 | p88 | a | Slash CRT-terminal component count with an IC controller by Charles Carinalli |
| Elec. Des. | N 8 | p47 | a | CRT terminals features climb while costs keep falling by Andy Santoni |
| Interf. Age | Ja | p113 | a | The Glass Teletype. A Flexible Television Interface by Charlie Mitchell, Phil Roybal & Keith Winter |
| Interf. Age | Je | p142 | a | A 24-Line Display for the Heath H9 by Stephen L Sama |
| Interf. Age | Ag | p19 | c | Correction for A 24 Line Display For Heath H9 (Interf Age June '78) by Stephen Sama |
| Interf. Age | S | p19 | c | Corrections on The Heath H9 Terminal (Interface Age June '78) by William Richter & John M Higdon |
| Interf. Age | Je | p155 | a | Insert To Stop TV Display by John Musgrove |
| Kilobaud | Ja | p64 | a | TVT Hardware Design low-cost graphics by Don Lancaster |
| Kilobaud | Mr | p36 | a | TV Typewriter Update, low-cost reverse video mod by Clint H Woeltjen |
| Kilobaud | Mr | p48 | a | Super Terminal! interfacing the Burroughs 9350-2 by R R Derynck |
| Kilobaud | Je | p112 | c | Correction for: Super Terminal (Kilobaud March '78 p48) by Robert Smith |
| Mini Micro | Ja | p48 | a | The Evolution of a Computer Terminal by Thomas M Emory |
| Mini Micro | F | p46 | a | Computer Graphics (Terminal Selection Guide) by Joel N Orr |
| Mini Micro | Ag | p68 | a | A Blurring of Product Lines, Intelligent Terminals by Ronald Rosenberg |
| Per. Comput. | Jy | p67 | a | Terminate Your System...For Life by Chip A Tyeti |
| Per. Comput. | S | p52 | a | A Magic Touch; Touch Typing for all by Devin Stumpf |
| Pop. Elec. | Ap | p93 | a | Hazeltine Model 1500 Computer Terminal Professional Terminal in Kit Form |

TEST EQUIPMENT

| | | | | |
|-------------|------|------|---|-----------------------------------------------------------------------------------------|
| Byte | Ja | p37 | a | Add More Zing to the Cocktail (uP controlled DVM Construction article) by Steve Ciarcia |
| Byte | F | p6 | a | A Penny Pinching Address State Analyzer by Steve Ciarcia |
| Byte | Je | p28 | a | A Programmable IC Tester by Mark Thorson |
| Dig. Design | D | p77 | a | uP-based Instruments by Norbert Laengrich |
| Dig. Design | D | p89 | a | Logic Analyzers |
| Dr. Dobbs | S | p33 | a | A Programmable IC Tester for KIM by Joel Swank |
| Electronics | Mr2 | p128 | a | Interfacing an auto-ranging DVM to a microprocessor by Steve Hui & John Richartz |
| Elec. Des. | Ag16 | p60 | a | Hand-held DMM looks like a calculator-works like a systems meter by Stanley Runyon |
| Elec. Des. | N 22 | p58 | a | Instruments '79 |
| Ham Radio | N | p74 | a | uP: IC Tester Using the KIM I by Robert E Babcock |
| Interf. Age | Ap | p94 | a | Cost Effective Logic Analyzer for the S-100 Bus by Roger Edelson |
| Kilobaud | My | p32 | a | Scope Power! a review of Tektronix's Model 922 by Bob Buckman |
| Kilobaud | N | p70 | a | IC Testing: A Complete System by Douglas A Schwab |
| Micro | F | p29 | a | A Simple Frequency Counter Using the KIM-1 by Charles R Husbands |
| Micro | O | p37 | a | KIM-1 As a Digital Voltmeter by Joseph L Powlette & Charles T Wright |
| Micro | D | p29 | a | Storage Scope Revisited by Joseph L Powlette & Donald C Jeffery |
| Modern Elec | Ag | p22 | a | Test Equipment by Bob Margolin |
| Modern Elec | Ag | p54 | a | How It Works: Oscilloscope by Clayton Hallmark |
| Pop. Elec. | N | p53 | a | A Basic Guide to Digital Logic Probes, Clips & Pulser by Clayton Hallmark |
| 73 | F | p40 | a | Build a 3 1/2 Digit DVM - replaces old meters! by Tim Ahrens |
| 73 | My | p62 | a | DMM Survival Course - "all" about using digital multimeters by Gary McClellan |
| 73 | Jy | p88 | a | Computerized Capacity Meter - cost: \$1 plus a computer by Jim Eccleston |
| 73 | S | p82 | a | DVM Scrapbook - the basics by Gary McClellan |
| 73 | O | p126 | a | DMM Buyer's Guide - expert tells all by Gary McClellan |

TEXT EDITING

| | | | | |
|-------------|----|------|---|------------------------------------------------------------------------------|
| Byte | F | p62 | a | SWEETS for KIM; A Low Calorie Text Editor by Dan Fylstra |
| Byte | N | p146 | c | Correction: Sweets for KIM Spurned (Byte Feb '78 p62) by Ernst Schumacher |
| Byte | N | p6 | e | On the Virtues of Writing Editors by Carl Helmers |
| Cr. Comput. | Jy | p119 | a | Word Processing: The Office of the Future is With Us Today by John B Hayes |
| Cr. Comput. | Jy | p123 | a | Word Processing: Technical Systems Consultants |
| Cr. Comput. | Jy | p128 | a | Word Processing: Info 2000 Corp. by Mike Busch & Ron Raikes |
| Cr. Comput. | Jy | p131 | a | Word Processing: Ohio Scientific |
| Cr. Comput. | Jy | p133 | a | Word Processing: Peachtree/Altair/MITs by John B Hayes |
| Dr. Dobbs | Ap | p22 | a | A Line Oriented PILOT Editor by David J Morgan |
| Dr. Dobbs | O | p4 | a | LEDIP A KIM/6502 Text Editor by Kiumi Akingbehin |
| Dr. Dobbs | O | p18 | a | POW: An 8080 'Processor of Words' by Herman Watson |
| Interf. Age | Ja | p60 | a | The Word Processor. Floppy ROM by Ken Knecht |
| Interf. Age | Ja | p150 | a | Computer(ese) Speech Writer by Ashok Nagrani |
| Interf. Age | Jy | p154 | a | "A Usable Data Base"...What, Why, and How to Use It! by William Turner |
| Interf. Age | Ag | p144 | a | Introduction to the TEX Language by Robert W Bemer |
| Interf. Age | Ag | p148 | a | The Electric Pencil for CP/M by Alan R Miller |
| Interf. Age | Ag | p150 | a | Tabcount: A Counter for Your Edit Buffer by Alan R Miller |
| Interf. Age | S | p88 | a | How to Write Form Letters That Look Like the Real Thing by John MacDougall |
| Interf. Age | S | p124 | a | Introduction to the TEX Language Part 2 by Robert W Bemer |
| Interf. Age | S | p134 | a | Copy/Sort/Search: 8080 Data Manipulation by Steven K Roberts |
| Interf. Age | O | p126 | a | Introduction to the TEX Language Part 3 by Robert W Bemer |
| Interf. Age | O | p138 | a | A Text Editor for the XEK and PTCO Assemblers by Alan R Miller |
| Interf. Age | N | p125 | a | A Generalized 8080 String Sorting Routine by Chris Terry |
| Interf. Age | D | p64 | a | Wordprocessing: A Major Factor in Small Business Computing by Carl Warren |
| Kilobaud | Ag | p22 | a | DOCUFORM: A Word Processing System for Everyone! by Donald L Fitchhorn |
| Kilobaud | S | p22 | a | (Con)text Editor, a Text Editor in BASIC by R M Law & D C Mitchell |
| Kilobaud | D | p62 | a | Technical Systems Consultants Text Editor by Ronald W Anderson |
| Micro | F | p19 | a | Typesetting on a 6502 by Robert M Tripp |
| PCW | Je | p66 | a | The Small System Approach to Program Editing by Patrick Sutton |
| 73 | Ap | p24 | a | Ecstasy In Multimeterland - build this autoranging marvel by Charles J Green |

TIMESHARING

| | | | | |
|-------------|----|------|---|--------------------------------------------------------------------------------------|
| Byte | N | p62 | a | Distributed Network by Glenn Horton |
| Byte | N | p120 | a | A Multiuser Data Network; Communicating Over VHF Radio by Robert E Bruninga |
| Calc. Comp. | My | p74 | a | Microcomputer Timesharing, Is it for you? by LeRoy Finkel |
| Comp. Des. | Jy | p128 | a | Altair Timesharing BASIC by Susan Blumenthal & Stan Webb |
| Interf. Age | N | p136 | a | NORTHSHARE; A Multiuser Disk BASIC for an 8080 or Z80 Microcomputer by Alan R Miller |
| Kilobaud | Ap | p102 | a | Time-sharing for the Home System, running two programs at once by James McClure |
| Kilobaud | My | p104 | a | Do-It-Yourself Time-sharing, its easier than you think by Mike Kop |
| Kilobaud | Ag | p20 | c | Correction for Do It Yourself Timesharing (Kilobaud May '78) by Jim Howell |

VIDEO DISPLAYS

| | | | | |
|------------|----|------|---|------------------------------------------------------------------------------------------|
| Byte | Ja | p94 | a | The Waterloo RF Modulator by Walter Banks |
| Byte | F | p22 | l | More on TV Shimmy by Hal Chamberlin |
| Byte | Ap | p152 | a | Solving the Problems of International Television Standards by E John Dehaven |
| Byte | Ap | p154 | a | Tick...Tick...Tick...Booooom (TV Set Line Isolation) by W B Jazembski |
| Byte | My | p22 | a | Convert Your TV Set to a Video Monitor by Dan Fylstra |
| Byte | My | p24 | a | Product Description: The Matrox ALT-256 Video Board by Gary Rupple |
| Byte | My | p44 | a | A Raster Scan Graphics Suggestion by Tello D Adams |
| Byte | My | p62 | a | GRAPH: A System for Television Graphics by John Webster & John Young |
| Byte | My | p79 | a | A Programmable Character Generator Part 1: Hardware by Larry Weinstein |
| Byte | My | p92 | a | A Low Cost Light Wand Amplifier by Robin C Moseley |
| Byte | S | p54 | c | Correction for: Light Wand Amplifier (Byte May '78 p92) |
| Byte | Je | p14 | a | A Programmable Character Generator Part 2: Software by Larry Weinstein |
| Byte | Je | p130 | l | On Converting 60 Hz VDM-1s to 50 Hz Line Current by Timothy Nowchanuk |
| Byte | Je | p158 | a | GRAPH: A System for Television Graphics Part 2 by John Webster & John Young |
| Byte | Ag | p62 | c | Correction for: GRAPH (Byte June '78 p 165) |
| Byte | Ag | p156 | a | Let Your Fingers Do the Talking, A Touch Scanner for Your Video Display by Steve Ciarcia |
| Byte | O | p151 | c | Correction: A Bug in the Scanner (Byte Aug '78 p156) |
| Byte | S | p94 | a | Let Your Fingers Do the Talking; Scanner Applications by Steve Ciarcia |
| Byte | D | p202 | a | Comments on the RF Entry Method for Video Monitors by Victor A Wiseman |
| Byte | D | p208 | a | Resonating Modulators by Allen Watson III |
| Comp. Des. | Jy | p98 | a | Economies of Designing with Raster Scan Displays by Ronald Chisenhall |
| Comp. Des. | D | p104 | a | Digitized Video Processing in Realtime by John Meyn |

VIDEO DISPLAYS continued

| | | | | |
|-------------|------|------|---|-------------------------------------------------------------------------------------------------------|
| Cr. Comput. | Jy | p32 | a | Video Games: 3 Interviews: Nolan Bushnell, Bernie De Koven & Sid Sackson by David Ahl |
| Cr. Comput. | S | p52 | a | Profile: Merlin Video Interface by Jim Baker |
| Cr. Comput. | S | p100 | a | Conference on Intelligent Videodiscs |
| Dr. Dobbs | F | p22 | a | Absolute dazzling Dazzleware by Gordon French & Gregory Yob |
| Dr. Dobbs | F | p30 | a | DAZZLER DRIVER Subroutines and a 'Chase' by Phillip Simpson |
| Dr. Dobbs | N | p48 | 1 | Last Chance on Digital Group TV Readout Card by Don Woods |
| EDN | Ag20 | p148 | a | Signal encoder generates composite color by Loren Trottier & Branko Matic |
| Elec. Des. | F 15 | p68 | a | Graphics CRT displays are easy to design with raster scan imaging by Branko Matic & Lorne Trottier |
| Elec. Des. | Ap12 | p66 | a | Video analog-to-digital conversion by Eugene Zuch |
| Ham Radio | Ja | p10 | a | Broadcast Quality Television Camera by Arthur Towslee |
| Ham Radio | D | p46 | a | Simple Video Display by Roy Hartkopf |
| Interf. Age | Ag | p68 | a | Video Game Techniques in North Star BASIC for the SOL VDM-1 by Robert C A Goff |
| Interf. Age | Ag | p80 | a | T V Pattern Generator by Robert Harr & Gary F Poss |
| Kilobaud | Mr | p36 | a | TV Typewriter Update, low-cost reverse video mod by Clint H Woeltjen |
| Kilobaud | Ap | p80 | a | Blue is the Color. Solid State Music is the company (Memory, video, etc) by Joe Kasser |
| Micro | Ag | p33 | a | Brown and White and Colored All Over (Apple Color) by Richard F Suitor |
| Micro | Ag | p41 | a | PET Composite Video Output by Cal E Merritt |
| Modern Elec | My | p36 | a | Home Remedies for TV Interference |
| Modern Elec | S | p27 | a | Television Interfaces for your Home Computer by Pete Stark |
| PCW | Ag | p31 | a | Showing Characters by Neil Harrison |
| PCW | Ag | p41 | b | TV Typewriter Cookbook by Don Lancaster |
| Peoples | Ja | p12 | a | An Educator's Guide to Videodisc Technology by R Kent Wood & Kent G Stephens |
| Peoples | Ja | p14 | a | Video Discs: Magic Lamps for Educators? by Ludwig Braun |
| Peoples | Jy | p46 | a | Video Mixer by Randall Julian |
| Peoples | Jy | p57 | a | The Cheap Video Cookbook by Don Lancaster |
| Pop. Elec. | S | p78 | a | A Low Cost Dot/Bar Generator by James B Penny |
| Pop. Elec. | N | p92 | a | "Corona" 256-Color Peripheral by Jeff Lowenson, Robert Marsh & James Spann |
| QST | O | p25 | a | SSTV Pictures from Your Microcomputer by Barry Sanderson |
| ROM | Ja | p54 | a | A Beginner's Guide to Computer Graphics or Raster Scan Can by Bill Etra |
| Radio Elec. | Ag | p38 | a | Video Modulators, Turn your TV into a Video Monitor by Fred Blechman |
| Radio Elec. | S | p47 | a | Roundup: Video Modulators, Turn your TV into a Video Monitor by Fred Blechman |
| Spectrum | Jy | p26 | a | Flat Panel Displays: A Critique by Lawrence Tannas & Walter Goede |
| 73 | N | p168 | a | SSTV Meets SWTPC: Part 1 —micro-enhanced pictures by Clayton W Abrams |
| 73 | D | p152 | a | SSTV Meets SWTPC: part 2 —micro-enhanced pictures by Clayton W Abrams |

WEATHER & ENVIRONMENT

| | | | | |
|-------------|-----|------|---|------------------------------------------------------------------------------------------|
| Calc. Comp. | Ap | p85 | a | California Gray Whale; Computer Simulation |
| Electronics | Ja6 | p158 | a | PROM converts weather data for wind-chill index display by Vernon R Clark |
| 73 | Jy | p172 | a | Watch the Wind! - with this junk box anemometer by Ross Thompson |
| 73 | O | p218 | a | Attention, Weather Watchers! - advanced circuitry for WEFAX processing by Roy Cawthon |

AUTHOR INDEX

A

Abbott, Bob - 6800 uP
 Abel, Robert - Fiction
 Abrams, Clayton W - Amateur Radio, SWTPC uC,
 Video Displ.
 Ackerman, Forest - History. Robots
 Adams, Bob - Printer
 Adams, Chuck - 6800 uP, Prog: Assembler
 Adams, George - uC Des, Other uC's
 Adams, Russell E - Mem: Test
 Adams, Tello D - Graphics, Video Displ.
 Adams, W Thomas - Analog A/D, uP Select,
 Bit Slice uP
 Adlerstein, Sid - Power Supply
 Ahl, David H - Future, Game: Elec, Game: Chess,
 Gen Interest, uC Select, Other uC's, Music,
 Shows, Simulation, Video Displ.
 Ahrens, Tim - 6800 uP, Test Equip
 Aird, Kenneth - Printer
 Akingbehin, Kiumi - Text Edit
 Alan, Don - PET uC
 Albarnes, Willy - Calc Prog
 Albrecht, Bob - Calc, Gen, Education, BASIC,
 uC Fund, PET uC, Radio Shack uC, Prog: Fund
 Albrecht, Karl - Education, BASIC, PET uC
 Alcock, Donald - BASIC
 Alevy, Gary - I/O, Mem: Tape
 Alexander, Don - I/O, Altair uC, Prog: Applic.
 Alexander, Mark - Other Languages
 Alexy, George - Other uC's
 Alfke, Peter - Digital
 Ali, Zaheer M - Serial I/O
 Allan, Roger - Robots
 Allen, David M - Mem: Disks
 Allen, Stephen A - Robots
 Allen, T J - Medical
 Allison, Dennis - Game: Computer, BASIC
 Alpert, Stephen R - Pascal, Prog: Structured
 Altman, Laurence - Mem: Gen, Mem: Disks, Mem: PROM,
 Mem: RAM
 Alverson, Dave - Education, Game: Computer
 Anderson, James - Speech
 Anderson, John M - Printer
 Anderson, Ken - Robots
 Anderson, Leonard H - Amateur Radio, Analog Hard.,
 Calc. Gen, Calc Prog, Digital. Prog: Applic.
 Anderson, Paul C - Business Gen
 Anderson, Ronald W - Text Edit
 Anderson, T J - Amateur Radio, Calc Prog
 Anderton, Craig - Mem: Tape, Radio Shack uC
 Andrews, Barry A - Heath uC
 Apfel, Russell - Power Supply
 Arbib, Michael A - Public Access
 Armoni, Abraham - Graphics
 Arnold, John - BASIC
 Arnold, Richard S - Business Gen, Home, Heath uC
 Asimov, Isaac - Robots
 Astmann, Robert H - Calc. Gen, Printer
 Atkin, Larry R - Game: Chess, Intelligence
 Auricchio, Rick - Debug, Apple uC, Prog: Utility
 Autenried, Paul von - Game: Computer

B

Babcock, Robert E - Kim uC, Test Equip
 Badgett, J Tom - Business Gen, Experience, Stores
 Baeslack, George - I/O
 Baker, Jim - Video Displ.
 Baker, Jorj - Other uC's
 Baker, Mel - Math, Prog: Fund
 Baker, Robert - Clock, Debug, Kim uC, Prog: Utility
 Bal, Subhash - Mem: Disks
 Balcom, Orv - Analog Hard., Mem: Disks, Mem: Tape
 Ball, George - Math
 Ball, John A - Amateur Radio, Calc Prog
 Ball, Leslie D - Gen Interest
 Banahan, Mike - Other Languages
 Banet, Bernard - Education
 Bangerter, B W - Clock
 Banks, Walter - Video Displ.
 Barbarelli, James - Construc
 Barbier, Ken - Business Acct, I/O, Keyboard
 Barbour, Dennis E - SOL
 Barden, William - I/O, Interface, uC Gen., 6502 uP,
 6800 uP, Z-80 uP, Prog: Fund
 Barker, Bruce A - Business Gen, Prog: Applic.
 Barman, Alan W - Mem: RAM
 Barna, Arpad - uC Fund
 Barnaba, A - Power Supply
 Barnard, William - Clock
 Barnes, Dave - Mem: PROM
 Barquin, Ramon C - Applic. Gen
 Barrett, Alan S - Applic. Gen, Graphics
 Bartelt, Mark - Prog: Operating Sys
 Barton, Bill - Mem: Tape
 Bateman, Brian E - Prog: Applic.
 Bauer, Charles - BASIC
 Bauernschub, John - Analog Hard.
 Baumgardt, Jim - Prog: Utility
 Bavarian, Benham - Mem: Tape
 Beaston, John - Clock, Control, I/O, Mem: Disks,
 uC Des, Serial I/O
 Becker, Art - Books, uC Gen.
 Beckmann, Petr - Math
 Beebe, Edward - Serial I/O
 Behren, Robert Von - Mem: Tape
 Beidler, John - Game: Computer
 Beley, Gene - Robots
 Bell, Gordon - Math, PET uC
 Bellaire, Arthur - Graphics, Simulation
 Bemer, R W - Tiny Languages, Other Languages,
 Prog: Fund, Standards, Text Edit
 Bender, Eric - Intelligence
 Bennett, Scott - Game: Computer
 Bennett, William Ralph - Math
 Benson, Terry - Home, uC Select, uP Select
 Berg, Eldon - Books
 Berg, Margaret - Debug, Prog: Utility
 Bergler, Robert - uC Des
 Bernstein, Ed - Prog: Applic.
 Bernstein, Norman - Analog A/D
 Beutnagel, Rick - Simulation
 Bevan, Nigel - Medical
 Beymer, Easton - # Base Conv.
 Biancomano, Vincent - Amateur Radio

Biese, Leo P - Applic. Gen
 Biewer, Matt - Interface
 Biglow, James W - Calc Prog, # Base Conv.
 Billing, John M - Business Gen
 Billings, Karen - Calc. Gen
 Billstein, Rick - Education, Math
 Bipes, John - Power Supply
 Bishop, Robert J - Game: Computer, Math. Apple uC,
 Prog: Applic.
 Bitter, Gary G - Calc. Gen, Education
 Black, Michael - Digital
 Blacksher, Roy - Keyboard, uC Des, Other uC's
 Blakenship, John - Analog A/D, Kim uC
 Blandford, Mike - Mem: Tape
 Blechman, Fred - Clock, Prog: Applic., Video Displ.
 Blood, Bill - Other uC's
 Blumenthal, Susan - BASIC, Timeshare
 Boaz, Ray - Prog: Utility
 Bober, Robert E - Control. Robots
 Bodley, Nicholas - Speech
 Bond, John - 8080 uP
 Bondy, Jonathon - Interface
 Boney, Joel - Math, 6800 uP
 Borchers, Mary - Business Acct, BASIC
 Borders, John K - I/O
 Borland, D S - Other uC's, Prog: Applic.
 Bosen, R J - Mem: Disks, North Star uC, Printer,
 Serial I/O
 Bottari, Bill - uP Select
 Boule', Bernard - Digital. Prog: Utility
 Boute, R T - SWTPC uC, Terminals
 Bowles, B - Analog Hard.
 Bowles, Kenneth L - Pascal, Other Languages
 Boyd, Mark - Analog Hard., I/O, uC Fund, Other uC's
 Boyle, Patrick W - Mem: RAM, Power Supply
 Bradbury, Ray - Fiction, Future, Robots
 Brady, J M - Education, Prog: Gen
 Brainerd, Henry - History
 Bram, Moshe - Calc Prog
 Brandestrini, Marco A - Keyboard
 Brantingham, Larry - Speech
 Braun, Ludwig - Education, History. Mem: Gen,
 PET uC, Video Displ.
 Brebner, Ann - Education
 Breen, John P - Humor
 Brehm, Robert C - Business Gen, Keyboard
 Breidenbach, H Dick - Keyboard
 Bresson, Steve - 8080 uP
 Brick, Jim - Prog: Gen
 Brickner, Dave - Control. Prog: Assembler
 Bridge, Theodore E - Mem: Tape, Kim uC,
 Prog: Applic.
 Brightman, Tom - APL
 Brineen, Hank - Mem: Gen
 Britton, Keith - Interface, Standards
 Brockman, John - Game: Calc, Home
 Brodsky, Daniel - Game: Computer
 Brokaw, Paul - Analog A/D
 Brooks, Emerson - Clock, Printer
 Brown, Alan - Analog Hard., Game: Computer,
 Prog: Applic.
 Brown, Dave - Amateur Radio, BASIC
 Brown, Jerald R - BASIC
 Brown, Roger W - Home
 Browning, Daniel - Graphics
 Browning, William E - Digital

Brunelli, Albert - Debug, Mem: Tape
 Bruninga, Robert E - Amateur Radio, Communication,
 Timeshare
 Bryant, George F - Analog Hard.
 Bryant, Jack - Math. Mem: Tape, uC Des, Heath uC
 Buckingham, David J - Game: Computer
 Buckley, John E - Modem. Serial I/O
 Buckman, Bob - Test Equip
 Budzilovich, Peter N - Business Gen
 Bueck - Power Supply
 Buffington, E E - Power Supply
 Buffington, John H - Game: Computer, Simulation
 Bumpous, Robert - SOL
 Bunce, Dan - Logic, Math
 Bunting, David - Education
 Burckle, Robert - Prog: Utility
 Burdick, Bruce - Applic. Gen
 Burhans, R W - Applic. Gen, Mem: Tape, Kim uC
 Burke, Peter M - Business Acct
 Burns, Arthur G - Calc. Selec
 Burns, Donald A - Other uC's
 Bursky, Dave - Mem: RAM, 6800 uP, Other uP's
 Burstyn, H Paris - Communication, Future
 Burton, D Philip - I/O, Interface, Prog: Fund
 Burton, John A - Construc
 Burzio, Gus - Prog: Operating Sys
 Busch, Mike - Business Word Process, Text Edit
 Butterfield, Jim - Game: Computer, Kim uC, PET uC,
 Prog: Fund
 Buurma, Gerald - # Base Conv., Keyboard

C

Calebotta, Stephen - Mem: RAM
 Camp, John S - Math. Simulation
 Campbell, A R - Calc Prog, # Base Conv.
 Camus, Armand L - Music
 Capece, Raymond P - Mem: Gen, uC Gen., uP General.
 Shows
 Caplan, George - Prog: Utility
 Carinalli, Charles - Terminals
 Carlson, Owen - Business Acct
 Carpenter, Charles R - Tiny BASIC, Tiny Languages,
 Mem: RAM, Apple uC, Music, Printer
 Carr, Joseph J - Analog Hard., Debug, Digital.
 Power Supply
 Carsie, Justus - Humor
 Carson, Fletcher Thane - Game: Computer
 Cashman, Thomas J - Prog: Gen
 Castleman, Kenneth R - Mem: Gen, Heath uC
 Caudell, Garry O - Code Conv., SWTPC uC
 Cawthon, Roy - Weather
 Cecil, Alex - Other Languages, 8080 uP
 Celko, Joe - Prog: Fund
 Chadbourne, Robert D - Business Gen, Simulation
 Chamberlin, Hal - I/O, Interface, Keyboard,
 Mem: Gen, 6502 uP, Prog: Fund, Video Displ.
 Champion, Neal - Prog: Utility
 Chandra, A K - I/O
 Chapman, David - Lang. Gen., Standards
 Charnock, Glen - Prog: Utility
 Chatfield, Colin - Experience. Prog: Applic.,
 Prog: Utility
 Cheairs, L Steven - Construc, Debug, Game: Elec.
 Cosmac uP
 Check, W - Analog A/D, Other uP's

Chellberg, W S - Applic. Gen
 Cheng, E - Analog A/D, Other uP's
 Chepko, Milan D - Game: Computer, Tiny BASIC
 Cherlin, Mokurai - API, Tiny Languages
 Chesson, Frederick W - Code Conv., History, Robots
 Chester, Michael - Speech
 Chetty, P R K - Power Supply
 Chioco, Stephen J - Robots
 Chirlian, Paul M - BASIC
 Chisenhall, Ronald - Video Displ.
 Chown, Derek J - Calc Prog, Game: Calc
 Christensen, Alan K - Graphics, PET uC
 Christensen, Borge R - Game: Computer, BASIC,
 Other Languages, Simulation
 Christensen, Ward - I/O, Public Access
 Christy, Peter - uC Des
 Chu, Paul - Mem: RAM
 Chung, Kin-Man - Pascal
 Ciarola, Steve - Analog A/D, Control, Debug,
 Displays 7-seg, Home, I/O, Keyboard,
 Mem: PROM, Power Supply, Speech, Test Equip,
 Video Displ.
 Ciemiewicz, David M - Definitions, Standards
 Cirillo, Tom - Business Acct, Prog: Applic.
 Clark, C - Calc Prog
 Clark, Douglas W - Education, Math
 Clark, John - Simulation
 Clark, Tom - Debug
 Clark, Vernon R - Weather
 Clarke, Sheila - Music, Printer
 Claybaugh, Scott - Music
 Clements, A - Prog: Assembler
 Cletheroe, J - Math Problems
 Cline, Arthur W - Z-80 uP, Prog: Utility
 Clyde, Donald - Math Problems
 Coan, James S - BASIC
 Cobaugh, Robert - Construc
 Cohen, Harvey - Game: Computer
 Cohen, Martin - Game: Computer
 Cohen, Theodore J - uC Fund
 Cohn, Bob - Digital, Keyboard
 Cohn, David L - 8080 uP
 Cole, Phyllis - Hobby, Mem: Tape, Apple uC, PET uC,
 Other uC's
 Cole, Sam - Simulation
 Coleman, Mick - Education
 Coll, John - Pilot, uC Gen., uC Select, Apple uC,
 PET uC, Prog: Utility
 Collins, Stephen - Prog: Fund
 Collis, Martin - Business Gen
 Colsher, William L - Business Gen, Keyboard, BASIC,
 Math Problems, Mem: Gen, Prog: Applic.
 Colt, Jon - Prog: Gen
 Colton, Mark - Mem: Tape
 Comer, Ed - Prog: Applic.
 Conley, David M - Game: Computer
 Conley, Steve - Lang. Gen., Prog: Gen
 Connolly, M R - Apple uC
 Conway, John - Analog A/D, Debug, Mem: Gen,
 Mem: Tape, uC Des, Serial I/O
 Conway, Joseph C - Bit Slice uP
 Conway, Richard - Applic. Gen, Art
 Cook, John - Gen Interest, Simulation
 Cook, Mike K - Music
 Coopersmith, Larry - uC Des
 Copes, Edward - Keyboard
 Corbett, C - Kim uC

Corbin, Dave - Applic. Gen
 Cornes, Phil - Printer
 Costa, Frank Da - 8080 uP, Robots
 Costello, Scott H - Game: Computer
 Costlow, Terry - Other uC's
 Cotter, Robert J - Analog A/D, Elf uC, Cosmac uP
 Cottis, Bob - Interface, Mem: Tape, Standards
 Couzens, Philip - BASIC
 Covitz, Frank H - Game: Computer
 Cox, Francis E - Interface
 Cox, George C - Education
 Craig, John - Hobby, uC Gen., North Star uC,
 uP General, Prog: Gen, Shows, Stores
 Cram, Arlene B - Game: Computer
 Craven, Timothy C - Applic. Gen, Books
 Creason, Sam - Amateur Radio, Music
 Creighton, Gary A - PET uC
 Crenshaw, Jack W - Radio Shack uC, Simulation
 Critchfield, Margot - Graphics, BASIC,
 Radio Shack uC, Other uC's, Music,
 Prog: Applic.
 Crothamel, Dr David A - Calc. Gen, Education
 Crowe, Patrick A - Interface, Z-80 uP,
 Prog: Assembler, Standards
 Crowe, Sam - Fiction
 Curtis, Judy - Construc
 Cushman, Robert - Debug, Experience, Interface,
 uC Fund, uP Select, Prog: Gen, Prog: Utility,
 Standards
 Czebiniaik, John F - Keyboard

D

DeCosta, Frank - Robots, Speech
 Dahl, Aubrey - History
 Daines, Derrick R - Education
 Dalton, William F - Prog: Structured
 Dandekar, Prakash - Prog: Utility
 Daniel, Tim - Calc Prog, Clock
 Davidson, James J. - Calc. Gen
 Davidson, Melvin - Education
 Davidson, Scott - Game: Computer, Prog: Applic.
 Davies, Mrs Pauline - Calc. Gen
 Davis, Henry - Digital, I/O
 Davis, Richard - uC Select
 Davis, Robert - I/O, Keyboard
 Davis, Sam - Home, Medical, uC Select, Music,
 Speech, Terminals
 Davy, Bill - Game: Computer, 8080 uP, Prog: Utility
 Dawkins, Gary D - Graphics, Apple uC
 Day, Jim - Game: Chess
 DeBuzzi, Dalward - BASIC
 DeJong, Marvin L - Amateur Radio, Analog A/D,
 Applic. Gen, Clock, Interface, Kim uC,
 6502 uP, Prog: Utility
 DeKoven, Bernie - Calc. Selec
 DeSantis, John - Printer
 DeTray, Jeff - Mem: Tape, Serial I/O
 DeVita, Joseph - Mem: Disks
 Dederick, Dan - Printer
 Dehaven, E John - Video Displ.
 Delaney, Dennis E - Fiction
 Delong, Marvin L - Clock, Prog: Utility
 Denenberg, Stu - Home
 Dennis, Mike - Game: Computer, Logic, uC Des,
 Radio Shack uC, Other uC's

Dershem, Herbert L - Education, Game: Computer
 Derynck, R R - Printer, Terminals
 Deviro, Paul M - Mem: Disks
 Dexter, Arthur L - I/O, Interface, Prog: Fund
 DiBlasi, Howie - Experience, Mem: Disks
 Dial, O E - Business Acct, Math, Prog: Applic.,
 Prog: Fund
 Dial, William R - Books, Kim uC, 6502 uP
 Didday, Rich - Definitions, Digital, BASIC, uC Fund
 Dilatush, Earle - Displays 7-seg
 Dillon, E G - 8080 uP
 Dimock, Dick - Fiction
 Dishman, Laurence G - Game: Computer, Math.
 Prog: Applic.
 Dixon, Oliver - Prog: Fund
 Dobrowolski, Stefan T - Prog: Gen
 Doebling, Wallace - Construc
 Dohlen, John Van - Displays 7-seg
 Doliner, Irwin - # Base Conv., Game: Computer
 Dollahite, Garth - Game: Computer
 Donahue, Mike - Education, Math
 Donimirski, Jeremy A - Power Supply
 Doone, Tenny - Music
 Dougherty, Robert - Digital
 Douglas, J R - Game: Chess
 Doyle, Thomas E - Prog: Utility
 Dozier, Gary - Experience, Gen Interest, Home, SOL
 Dozier, Harold W - F-8 uP
 Drake, Howard G - Elf uC
 Dreher, Patrick - Displays 7-seg
 Drewitz, Hans - Applic. Gen, Stores
 Drexler, Kenneth - Mem: Test, 6800 uP
 Dreyfus, Hubert L - Applic. Gen, Intelligence
 Drury, Douglas - Prog: Structured
 Duffy, R M - Mem: Tape
 Dugan, Ken - Music
 Dugan, Thomas - Mem: PROM, Prog: Gen
 Duncan, Ray - Graphics
 Dunkerley, William - Amateur Radio
 Dunlop, David L - Game: Calc
 Dunsheath, Thomas J - Math Problems
 Duntemann, Jeff - Amateur Radio, Elf uC
 Durniak, Anthony - uC Gen.
 Dvorak, Neil - Control
 Dwyer, Thomas A - Graphics, BASIC, Radio Shack uC,
 Other uC's, Music, Prog: Applic., Prog: Fund
 Dyk, Harley - Game: Computer
 Dyke, Don Van - SOL, Prog: Assembler

E

Eagle, M R - BASIC
 Eaton, John - Calc Prog, Keyboard, Kim uC,
 Prog: Utility
 Eaton, Sheff - Mem: RAM
 Eccleston, Jim - Test Equip
 Edelson, Roger - Clock, Hobby, I/O, Interface,
 Mem: Gen, Mem: PROM, Mem: RAM, Mem: Tape.
 uC Fund, Other uC's, Test Equip
 Edrid - Prog: Applic.
 Egbert, Dr. Dwight D - Graphics, I/O, Plotter
 Eigsti, Steve - Digital, I/O, Keyboard
 Einstein, Liz - Gen Interest, Public Access
 Elias, Steve - Game: Computer
 Eliason, Andrew E - Graphics, Apple uC
 Eliason, Andrew H - Music

Elices, Francisco - Calc Prog
 Elie, Pierre - Digital
 Elin, Larry - Graphics
 Elizondo, Ed - Mem: RAM, SOL
 Elliot, R I - PET uC, Plotter
 Elmquist, Kells A - Interface, Standards
 Emanuel, R B - Education, Prog: Gen
 Emerson, Richard B - Mem: Tape, Polymorphic uC,
 Printer, Prog: Utility
 Emory, Thomas M - Terminals
 Endress, Katha - Business Acct, Heath uC
 Engel, C William - Game: Computer, Simulation
 Englander, William - Game: Computer
 Erickson, B - Game: Computer
 Erikson, Sandra - Clock, Gen Interest
 Etra, Bill - Future, Graphics, Video Displ.
 Eufinger, Reinholdt J - I/O, uC Des, 6502 uP
 Evans, Sandra - Education
 Everhart, Dan - Game: Calc

F

Fabrey, Lawrence - Calc, Gen, Math
 Fabrey, Lawrence - Calc, Gen, Math
 Faggin, Fredrico - uP General, Z-80 uP
 Fahey, Robert - BASIC
 Faraday, Michael - Apple uC
 Farley, Shal - Prog: Structured
 Farnell, Campbell - Bar Code
 Farrell, Clyde R - Radio Shack uC
 Farrell, Jim - Interface
 Farwell, David - Analog Hard.
 Faught, David - Lang. Gen.
 Fay, Tom - Prog: Gen, Prog: Fund, Prog: Structured
 Feagans, John - 6502 uP
 Fedock, Joseph M - Amateur Radio, Calc Prog
 Fehringer, Bernard G - Hobby
 Feierstadt, Sy - Game: Computer, Graphics
 Feilbogen, Peter - Stores
 Feldman, Phil - Game: Computer, Prog: Gen
 Felsenstein, Lee - Clock, Construc, Experience
 Fentress, James P - 6800 uP, Prog: Utility
 Ferguson, Bob - 6800 uP
 Ferguson, Donald F - Lang. Gen.
 Ferguson, Mickey - Mem: Disks, SWTPC uC,
 Prog: Applic., Prog: Operating Sys,
 Prog: Utility
 Ferguson, R E L - Math
 Fern, Mike - Books
 Fielland, Gary - Mem: RAM
 Filipski, Alan - Applic. Gen
 Findley, Robert - 8080 uP
 Finkel, LeRoy - Education, BASIC, Prog: Fund,
 Timeshare
 Finlay, Eric - Art
 Firebaugh, Morris - uC Select
 Fish, Fred - Calc Prog
 Fisher, G D - Construc
 Fisher, Kenneth W - Mem: Disks
 Fisher, L - Calc Prog, Simulation
 Fitchhorn, Donald L - Debug, Text Edit
 Fitzgerald, Pat - BASIC, Prog: Assembler
 Flanagan, G J - Prog: Utility
 Fleming, Jim - Prog: Structured
 Fleming, Gordon - Applic. Gen, Game: Computer
 Fletcher, John - Serial I/O

Floto, Charles - Heath uC, PET uC
 Fluhrer, Scott - I/O
 Folk, Mike - Robots
 Folkard-Stengel, Linda - Medical
 Forbes, Bert E - Interface, Standards
 Forbes, Farhad - Analog Hard., Medical
 Force, Gordon - Interface, Standards
 Ford, Gary A - Pascal
 Forsyth, Charles H - Pascal
 Foster, Bill - Education
 Foster, Caxton C - 6502 uP
 Fox, Annie - Public Access
 Francis, David - Applic. Gen, Business Gen
 Franson, Paul - Mem: PROM
 Frauenfelder, Lewis - Mem: Tape
 French, Gordon - Graphics, Video Displ.
 Frenzel, Lou - uC Gen., uC Select
 Frey, Peter W - Game: Chess, Intelligence
 Fricke, Victor - Game: Computer
 Friedman, Herb - Mem: Tape
 Friedman, Larry - Applic. Gen, Business Gen,
 Business Word Process, Game: Computer.
 Prog: Applic.
 Friends - Game: Computer
 Frisbie, Kurt - Prog: Fund
 Fritz, Kenneth - Stores
 Frye, George J - Heath uC, Terminals
 Fukumoto, Larry - Mem: Disks
 Fuller, Bill - Interface
 Fylstra, Dan - Kim uC, PET uC, Radio Shack uC,
 Text Edit, Video Displ.

G

Gable, G H - Mem: PROM
 Gabrielson, Mike - 8080 uP, Prog: Applic.,
 Prog: Utility
 Gagne', Simon - Digital. Prog: Utility
 Gaines, John - Education, Game: Calc
 Galef, David - Applic. Gen, Future. Prog: Fund
 Games, William - Graphics
 Garen, Eric R - Digital. Mem: RAM, uP General
 Garett, Mark - Mem: RAM.
 Garland, Harry - Analog Hard., Medical
 Garrard, Mimi - Control. Graphics
 Garrett, Roger - Displays 7-seg. Game: Computer,
 Graphics, Intelligence. Mem: Disks, Robots,
 Simulation
 Garrow, Robert - Other uC's, 8080 uP
 Garson, James W - Radio Shack uC
 Gash, Philip - Graphics, Plotter
 Gaspar, Albert - Kim uC, Prog: Utility
 Gasperini, Richard E - Digital
 Gass, Geoffrey - 6800 uP
 Gates, Reginald - Home
 Gates, Tim - Digital
 Gaugler, Gary D - SWTPC uC, 6800 uP, 8080 uP,
 Prog: Applic., Prog: Fund
 Gawronski, Jane Donnelly - Prog: Gen
 Gaylord, Charles S - Calc Prog
 Georgiou, Bill - Speech
 Gerbens, Al - Amateur Radio, Analog Hard., Medical.
 Prog: Applic.
 Gerhold, George A - Education, Pilot
 Gertz, Kenneth - Interface
 Ghent, Emmanuel - Control. Graphics

Ghormley, Robert C - Analog Hard.
 Ghosh, S - Code Conv., Serial I/O
 Gibbons, Albert J - Lang. Gen.
 Gibson, Stephen - Mem: Tape, Modem. Prog: Applic.
 Gieiser, Molly - History
 Gieryc, John - Mem: Tape, Prog: Utility
 Giese, Madeline - Calc. Gen, Education
 Gilbody, Peter A - Mem: Tape
 Gilder, Jules H - Communication, Future, uC Select
 Gille, Don - SWTPC uC
 Gillespie, Charles J - Serial I/O
 Gilman, Leonard - APL
 Glaab, John A - Keyboard
 Glass, Robert L - Experience, Humor
 Glynn, Shawn M - Math
 Goadby, David - Mem: PROM
 Goede, Walter - Displays 7-seg, Video Displ.
 Goff, Robert C A - Game: Computer, Medical.
 Prog: Applic., Video Displ.
 Goldberger, Alex - uC Select
 Goodson, Bobby - Calc. Selec, Education
 Gordon, H T - Kim uC, Prog: Gen, Prog: Fund,
 Prog: Utility
 Gorney, Len - Prog: Applic.
 Gottlieb, Mark - Graphics, Plotter
 Graham, Neil - Prog: Gen
 Graham, Ray - Code Conv.
 Grand, Linda A - Experience
 Grandbois, Gary - Analog A/D
 Grant, Richard - Fiction
 Grappel, Robert - Analog Hard., Debug, I/O, BASIC,
 Tiny Languages, Prog: Structured,
 Prog: Utility
 Grater, Bob - Construc
 Graves, David - Interface
 Gray, Lawrence - Other Languages
 Gray, Marty - Mem: Tape
 Gray, Stephen B - Books, Business Gen,
 Business Acct. Game: Elec, Radio Shack uC,
 Stores
 Graziano, Loretta - Robots
 Creeb, F J - Serial I/O
 Green, Bill - Game: Chess
 Green, Charles J - Text Edit
 Green, Eric R - Analog A/D, I/O
 Green, J S - Prog: Utility
 Green, Robert S - F-8 uP
 Green, W L - Analog A/D
 Greenbaum, Barbara - Applic. Gen
 Greenberg, Gary - Hobby. Prog: Applic., Simulation
 Greene, E M - Lang. Gen., Standards
 Greene, Ken - Business Acct
 Greenlaw, Richard - Tiny BASIC, 8080 uP,
 Prog: Assembler
 Gregory, J - Fiction
 Griffin, John E - Mem: PROM
 Grim, Larry - Displays 7-seg, Keyboard
 Grimes, Jack - Hobby
 Grina, James - Mem: PROM
 Gros, Rick - Lang. Gen.
 Gross, James - Prog: Fund
 Gross, Thomas B - Calc Prog
 Grossman, Avram - Prog: Applic., Prog: Utility
 Grossman, Morris - Other uC's, Power Supply
 Grossman, Rick - Game: Chess, Kim uC
 Grossman, Robert M - uC Select
 Grothman, Fred - Interface
 Groves, David N - Education
 Guji, Akio - Other uC's

Gundlach, Richard - I/O
 Gunter, Tom - 6800 uP
 Gutman, Fred - Mem: Test, Plotter, Prog: Applic.,
 Prog: Structured, Prog: Utility
 Gyles, Colin - Prog: Applic.

H

Hackmeister, Dick - Serial I/O
 Haddox, Joe - Mem: Disks
 Hadley, Mike - Analog Hard.
 Hagelberg, Allen C - Business Gen, Simulation
 Haglund, J R - Printer
 Hailey, W H - Keyboard
 Hallen, Rod - Construc, Home, BASIC, Mem: RAM,
 Mem: Tape, Mem: Test, Music, Prog: Applic.,
 Prog: Utility
 Hallmark, Clayton - Test Equip
 Hallworth, H J - Education
 Hallworth, H L - Education
 Halsma, A I - Mem: Disks, Prog: Applic.
 Hamilton, Dennis - History, Hobby
 Hamilton, Eric - Math
 Hancock, Les - Z-80 uP, Prog: Utility
 Hand, David - Applic. Gen
 Harding, A J - Game: Computer, Radio Shack uC
 Hargrave, Roger - Prog: Fund
 Harr, Robert - Prog: Applic., Video Displ.
 Harris, Charles J - Amateur Radio
 Harris, William - Graphics
 Harrison, Harry - Fiction, History
 Harrison, Neill - Z-80 uP, Prog: Assembler.
 Prog: Utility, Video Displ.
 Hart, Art - Math Problems
 Hart, Richard - Prog: Utility
 Hartkopf, Roy - Video Displ.
 Hastings, Edwin E - Game: Computer
 Hastings, Susan - Bar Code, Future, Intelligence.
 Mem: Gen, Robots
 Hauck, Lane T - Mem: RAM
 Hayek, Tom - Mem: PROM
 Hayes, Albert E - Calc Prog
 Hayes, G D - Experience
 Hayes, John B - Business Gen, Business Word Process,
 Text Edit
 Haygood, William - Intelligence
 Hearn, Albert D - Prog: Fund, Prog: Structured
 Heathman, F - Prog: Applic.
 Heckt, Neil - Keyboard
 Heesbeen, Ed - Applic. Gen
 Heinzl, Joachim - Printer
 Heise, Jan A - Amateur Radio
 Heiserman, David L - Robots
 Heisseluft, Prof Emil - Amateur Radio, Biorythm
 Hellwell, Fred - Game: Computer
 Helman, Iris - Education
 Helmers, Carl - Applic. Gen, Books, Future.
 Gen Interest, Hobby, Lang. Gen., Pascal.
 Mem: Gen, Apple uC, 6800 uP, Modem, Robots,
 Text Edit
 Hemerway, Eileen - BASIC, Other Languages
 Hemerway, Jack - FORTRAN, Other Languages, Mem: Gen,
 Mem: Disks, Mem: Tape, uC Des, F-8 uP,
 Printer, Prog: Fund, Prog: Utility,
 Serial I/O
 Hemsath, William - Control, Graphics

Hendren, Dr James K - Business Acct
 Henely, Robert - Prog: Fund
 Henkel, Joel - Ohio Sci. uC
 Henry, John - Printer
 Henry, Peter - Experience
 Herff, Anthony P - Mem: Tape
 Herman, Harvey B - PET uC
 Hermance, Frank - Analog Hard.
 Herro, Mark - Game: Computer, Hobby, Home
 Herstein, Ed - Education
 Hertzfeld, Andy - BASIC, Apple uC
 Hesse, Roland - Applic. Gen, Stores
 Hewart, Brian - Debug, uC Fund
 Hewitt, Vince - Printer
 Hewkin, John - Mem: RAM
 Hiatt, Art - Math Problems
 Higdon, John M - Heath uC, Terminals
 Higgins, David A - Prog: Structured
 Hilburn - uC Des, uP General, Prog: Fund
 Hill, Garnet L - Analog A/D, Applic. Gen, Control.
 Education, Other uP's
 Hills, Sam - Tiny Languages
 Hilton, Earle - SWTPC uC
 Hindin, Harvey - Serial I/O
 Hines, Robert - Plotter, Printer
 Hirsch, John D - Calc. Selec, Hobby
 Hnatek, Eugene R - Mem: PROM, Mem: RAM
 Hoevel, Lee - Game: Computer
 Hoffer, W C - Clock, Game: Computer
 Hofheinz, M C - Game: Computer
 Hogan, K - 6502 uP
 Holden, Stephen - Prog: Fund
 Hollen, M - Analog A/D, Other uP's
 Hollis, Ralph - Robots
 Holman, Frank S - Digital, Heath uC, 8080 uP
 Holloien, Martin O - Gen Interest
 Holt, Rod - Apple uC, Power Supply
 Hootman, Joe - Analog A/D, Interface
 Hoover, Robert S - Other uC's
 Horbst, F - Interface
 Horton, Glenn - Timeshare
 Horton, Lyn - Home
 Horton, Richard L - uC Des
 Howard, Randall J - Pascal
 Howell, Jim - Prog: Operating Sys, Timeshare
 Howell, Ramond - uC Fund, Prog: Applic.
 Howell, Raymond - Prog: Fund
 Howland, Chris - Experience
 Howland, Dave - Interface, Standards
 Howland, John E - APL
 Hubatka, Milton C - Other uC's
 Hubin, W N - Education, Heath uC
 Huffman, Dave - Mem: RAM
 Huffman, Jim - Business Word Process, Game: Elec,
 Interface, Prog: Applic.
 Hughes, Elizabeth M - Business Gen, Prog: Fund,
 Stores
 Hughes, Mike - PET uC
 Hughes, Phil - Business Gen, Control, Home, I/O,
 Mem: Disks, SWTPC uC, 6800 uP, SC/MP uP,
 Prog: Gen, Serial I/O
 Hughes, Steve A - SWTPC uC, Prog: Fund
 Hughes, T P - Debug
 Hughot, Ed - Amateur Radio, Education
 Hui, Steve - Test Equip
 Hungerford, Joel C - Graphics, Math

Husbands, Charles R - PET uC, Serial I/O, Test Equip
 Hutchinson, Thomas E - Elf uC
 Hutchinson, David - Gen Interest, Graphics
 Hutchinson, Perry C - Prog: Operating Sys
 Hyde, Donald J - Modem, Prog: Applic., Terminals
 Hyde, Kendall - Math

I

Inggs, Michael - Music
 Irman, Don - Game: Computer, Graphics, Radio Shack uC, Other uC's
 Irman, Jack A - Game: Computer
 Irving, Robert - Prog: Fund
 Isaacson, Portia - Business Gen, Hobby
 Isard, Phillip - Applic. Gen
 Ishida, Prof Haruisha - Stores
 Ittner, William F - Analog A/D, Other uP's

J

Jackman, D - Other uC's
 Jackman, Ken - Math Problems
 Jacobsen - uC Fund
 Jacobson, Joe - Art
 James, John S - Other Languages, Public Access
 James, K R - Elf uC
 James, Michael - Construc, Experience, Prog: Structured
 Janifer, Laurence M - Fiction
 Jastrow, Robert - Intelligence
 Jaswa, Rajen - uC Des, Prog: Utility
 Jaworski, Joe - Game: Computer
 Jazemski, W B - Video Displ.
 Jeffery, Donald C - Test Equip
 Jenkins, Gerald C - Kim uC, Power Supply
 Jennings, Peter R - Game: Chess, Gen Interest
 Jensen, Kathleen - Pascal
 Jensen, Kris - Game: Elec
 Jessop, Paul M - Applic. Gen, 6800 uP
 Johnson, Burt - Other uP's, Prog: Assembler
 Johnson, David W - Prog: Utility
 Johnson, David L - Prog: Utility
 Johnson, Harley D - Mem: PROM, SWTPC uC
 Johnson, Jim - Other uC's, 8080 uP
 Johnson, Luther - uC Select
 Johnson, Robert - Medical
 Johnston, Bill - Amateur Radio, Business Acct, Calc Prog, Construc, Heath uC
 Johnston, David W - Calc Prog, Math, Math Problems
 Jones, B Eugene - Business Acct
 Jones, Clark - Bar Code
 Jones, David B - Power Supply
 Jones, Douglas L - BASIC, Prog: Applic.
 Jones, James - Graphics, BASIC, Other Languages
 Joshi, D G - # Base Conv.
 Juge, Ed - Game: Computer, Radio Shack uC
 Julich, Paul M - Mem: Disks, uC Des, uP General, Prog: Fund, Prog: Utility
 Julin, Randall - Video Displ.
 Jung, Walter C - Clock
 Jurgenson, Marlinde - Math

K

Kagan, Claude A - Other Languages
 Kahn, Bob - Applic. Gen, Other uC's, Public Access, Simulation
 Kane - uC Fund
 Kaplan, Alan - Hobby, Radio Shack uC

Kare, Jordin - Humor
 Karp, Marilyn - Other Languages, Prog: Structured
 Karp, Tony - Other Languages, Prog: Fund, Prog: Structured
 Karshmer, A I - Graphics, History, Intelligence, Robots
 Karstad, Kaare - Clock
 Kasser, Joe - Amateur Radio
 Katz, B Jeffery - 8080 uP
 Katzen, Harry - Code Conv.
 Katzire, Robert - Mem: Disks, Mem: Tape
 Kaufman, Michael S - BASIC
 Keay, Colin - Game: Computer
 Keeler, David - Digital
 Kelanic, Thomas J - Education, Intelligence
 Kellerman, Eduardo - Art, Graphics, APL
 Kelton, Robert - Terminals
 Kent, Ernest W - Robots
 Kenton, Jeff - Game: Computer
 Kernahan, Bill - Education, Speech
 Kernighan, B W - Other Languages, Prog: Fund, Prog: Structured
 Kessner, Arthur - Education
 Ketchum, Don - Music
 Kewney, Guy - History, Stores
 Kheriaty, Larry - Education, Lang. Gen., Pilot, Prog: Gen
 Kiester, Sally Valente - Education
 Kildall, Gary A - Prog: Utility
 Kincannon, Victor - Prog: Utility
 King, Bill - Standards
 King, D Thomas - Gen Interest
 Kinnie, Craig - Mem: RAM, Other uC's
 Kinzer, Don - Debug, Mem: Test, 6800 uP, Prog: Fund
 Kirschman, Randall - Construc
 Kitzmiller, James W - Business Gen, Business Acct, Other uC's, Other uP's
 Kleiman, Art - Future, Prog: Fund
 Knadle, Charlene Babb - Amateur Radio, Experience
 Knecht, Ken - Text Edit
 Knight, Martin - Prog: Utility
 Knot, Y - Fiction
 Kobayashi, Terry - uP Select
 Koening, Andrew - APL
 Koh, David - Graphics, 6800 uP
 Kollar, Larry - Game: Calc
 Kolodzinski, Anthony - Math
 Kop, Hal - Other uC's
 Kop, Mike - Timeshare
 Koster, Robert S - Gen Interest
 Kraengel, William D - Calc Prog
 Kramer, Joel A - Mem: Tape
 Krause, Marina C - Calc, Gen, Education
 Krechmer, Ken - Modem
 Kreiger, Allen S - Pilot
 Kritlow, Bill - Fiction
 Kroeker, Edwin - Analog A/D
 Kroening, Mary Elizabeth - Prog: Operating Sys
 Krouse, Tim - Pascal
 Kruger, Frederick M - Applic. Gen
 Kuca, Jay - Construc
 Kumar, Kalit - 6800 uP, Prog: Utility
 Kurtz, Robert L - Amateur Radio
 Kuzmack, Rich - Clubs

L

Laengrich, Robert - Test Equip
 Laird, Stan - Math Problems
 Lamb, Sydney - Mem: RAM
 Lancaster, Don - Graphics, Terminals, Video Displ.
 Landers, George - Mem: Gen

Lang, C J - Applic. Gen
 Lang, R B - Applic. Gen
 Langenes, Bill - Education
 Langer, Rudy - Mem: PROM, Prog: Gen
 Lansdown, John - Graphics
 Lantz, Kim H - Amateur Radio, Kim uC
 LaPlante, Frederick E - Prog: Fund
 Lappen, William - Business Gen
 Larsen, D - Analog Hard., Analog A/D, Clock, Control, I/O, Lang. Gen., BASIC, Math. Mem: RAM, 8080 uP, Prog: Gen, Prog: Fund, Prog: Utility
 Lasher, Dana - Calc Prog, Debug, Kim uC
 Lau, Stephen Y - Bit Slice uP
 Laurino, A James - Mem: Test
 Law, R M - Text Edit
 Lawrence, Chester H - uC Select
 Leasia, John D - Prog: Utility
 Leavey, Marc I - Mem: Tape
 Lebeiko, Ken - Prog: Fund
 Ledder, Wayne - Math, Prog: Fund
 Lederer, Jeffery H - Music
 Ledgard, Henry F - Prog: Gen
 Lee, John D - Education, Game: Computer
 Lee, Timothy D - Education, Game: Computer
 Lees, John - uC Fund, Heath uC, Prog: Gen, Prog: Fund
 Lehman, John A - Code Conv.
 Leininger, Kenneth D - Amateur Radio
 Leising, David P - Game: Calc
 Leleux, Sidney A - Math
 Lem, Stanislaw - Robots
 LeMair, Ian - 6800 uP
 Lemieux, J R A - Calc Prog, Simulation
 Lemiszki, William - I/O
 Leonard, Mark - Construc, Digital
 Lerner, Jackie - Calc. Gen, Math
 Lesea, Austin - I/O, Interface, Mem: Disks, Power Supply
 Leslie, John - Debug, Prog: Fund
 Letwin, Gordon - I/O, Heath uC, uP Select
 Leventhal, Lance - Education, Lang. Gen., 8080 uP, Prog: Gen, Prog: Fund, Prog: Structured
 Levine, Bettijane - Gen Interest
 Levinsky, Jeff - Prog: Operating Sys
 Levy, David - Game: Chess
 Levy, Michael - Business Gen, Business Acct
 Lewis, Barry A - Radio Shack uC
 Lewis, Larry E - Other Languages
 Lewis, T G - Applic. Gen, Home, Stores
 Libes, Sol - Clubs, Debug, Digital. History, Hobby
 Lien, Dave - Amateur Radio, Mem: Tape, Radio Shack uC, Power Supply
 Liff, Rita May - Pilot
 Lillie, Paul A - PET uC
 Lionel, Steven B - Heath uC
 Lockhart, Jim - Mem: Test
 Lockler, L S - Digital
 Lockwood, M R - Business Acct
 Loewer, Bob - uC Des, Z-80 uP
 Lord, Mike - Clubs, Hobby, Other uC's
 Lott, Johnny W - Education, Math
 Lowenson, Jeff - Graphics, Video Displ.
 Luby, Robert M - Business Gen
 Lufkin, Rob - Applic. Gen, Home
 Lunt, Karl - Logic

Lutz, Richard J - Fiction
 Lynch, Jeff - Construc

M

MacCallum, I R - Prog: Structured
 MacCluer, C R - Amateur Radio, Calc Prog
 MacDougall, John - Printer, Prog: Applic., Prog: Utility, Text Edit
 MacKeen, Jack - uC Select
 MacLean, Alexander - Analog Hard., Digital. Humor
 MacLellan, Elliot - Stores
 MacLennan, Elliot - Business Gen, Gen Interest, Stores
 Mach, Warner - Gen Interest
 Maciorowski, Dave - Displays 7-seg
 Maclean, Dave - uP General
 Madni, Asad M - Prog: Applic.
 Maerz, Mike - Mem: RAM, Other uC's
 Magnusson, Magnus - Hobby, Public Access
 Mair, Janhe - uP Select
 Mallon, Marvin - Education, Math
 Malvino, Albert Paul - Digital
 Manell, Harrison - Keyboard
 Mangieri, A A - Mem: Tape, Radio Shack uC
 Maniotes, John - Math Problems
 Marateck, Samuel L - BASIC
 Marathe, A D - I/O
 Marek, Larry - Mem: Tape, Prog: Utility
 Margolin, Bob - uC Gen., Test Equip
 Margulies, Allan S - Math
 Mark, Bill - Construc
 Marke, David - Mem: PROM
 Marr, Jim - 8080 uP, Prog: Fund, Prog: Utility
 Mars, Dr P - Music
 Marsh, Barbara - Gen Interest
 Marsh, Robert - Graphics, Video Displ.
 Marshall, Robert - Displays 7-seg
 Marshall, W G - SC/MP uP
 Martin, Vaughn - Keyboard
 Matheson, Willard E - Intelligence, Math Problems
 Matic, Branko - Displays 7-seg, Graphics, Keyboard, Video Displ.
 Matuschka, Heinz Gf. - Mem: RAM, Mem: Tape
 Matz, Charles A - Business Gen, Prog: Applic.
 Matzger, Alan D - Other uC's
 Maurer, H A - Prog: Gen
 Maurer, W Douglas - FORTRAN
 Mazor, Stanley - Prog: Fund
 Mazzarini, Tony - Modem
 McArthur, Brian E - Construc
 McBurnett, Neal - Prog: Utility
 McCabe, D - Hobby
 McCaig, Laurence A - Business Gen, Business Acct, Prog: Applic.
 McCallum, John - Interface, Standards
 McCann, Michael J - Mem: Test, PET uC, Prog: Assembler
 McCarty, George - Calc Prog, Math
 McCarty, Joe - Mem: Tape
 McClellan, Gary - Digital. Test Equip
 McClure, James - Amateur Radio, Timeshare
 McCormick, Bruce - Mem: RAM
 McCormick, Edward M - Game: Computer, Elf uC
 McDaniel, Jim - Calc Prog
 McDermott, Jim - Calc. Selec, Keyboard
 McGahee, Fr. Thomas - SQL, Prog: Utility

McGath, Gary - Debug, Gen Interest, Humor
 McGuire, Dennis J - Business Gen, Home
 McGuire, Ron - Calc Prog
 McIvor, W - Keyboard
 McKeeman, William M - Lang. Gen., Prog: Applic.
 McKeen, Sandi - Robots
 McLaughlin, Laura L - Education
 McNair, Bruce - Amateur Radio, Keyboard
 Meehan, James C - Applic. Gen, Gen Interest
 Mehrt, Ed - Amateur Radio
 Melsa, L - 8080 uP
 Mendelsohn, Stephen - Hobby
 Mennie, Don - Applic. Gen, Hobby, uC Select
 Merkowitz, Frederick L - Bar Code
 Merritt, Cal E - PET uC, Video Displ.
 Merritt, Jim - Pascal
 Metzler, Edward - Mem: RAM
 Meyer, Bennett - Ohio Sci. uC, 6502 uP,
 Prog: Assembler
 Meyer, Martin - Elf uC, Other uC's
 Meyers, Norman - Amateur Radio, Communication,
 Future. Game: Elec, Game: Chess, Lang. Gen.
 Meyn, John - Video Displ.
 Michels, Richard E - Business Acct
 Mick, John - Prog: Gen
 Mickie - Amateur Radio, Construc
 Mikes, Peter - Lang. Gen.
 Mikulski, Pawell - Mem: Tape
 Milazzo, Charles F - Amateur Radio, Calc Prog
 Milewski, Richard A - Apple uC
 Millan, Richard Mac - Education
 Millen, Jonathon K - Game: Computer
 Miller, Alan R - Mem: Disks, Mem: Tape, Altair uC,
 North Star uC, 8080 uP, Prog: Applic.,
 Prog: Assembler, Prog: Operating Sys,
 Prog: Utility, Standards, Text Edit,
 Timeshare
 Miller, Fred - Mem: Tape
 Miller, Hampton - uP Select
 Miller, Jeffery A - Analog A/D, Other uP's
 Miller, Joel - Control, Home
 Miller, Merl - Books, Education, History,
 Intelligence, uC Fund, Robots, Shows, Stores
 Miller, Morris J - Mem: Disks
 Miller, William R - Mem: Disks, uC Select
 Miller-Kirkpatrick, J H - Hobby
 Millium, Justin - Game: Computer
 Mims, Forrest M - Analog A/D, Education, Logic,
 Mem: RAM, uC Des, Prog: Fund
 Mitchell, Charlie - Mem: RAM, Terminals
 Mitchell, D C - Power Supply, Text Edit
 Mitchell, Stuart - SWTPC uC
 Moberg, Dick - Clubs, Medical
 Mohan, G R - Mem: RAM
 Mohd, Maqsood - Mem: Tape
 Molinari, Fred - Analog A/D
 Monagan, James - BASIC
 Montgomery, Richard C - Digital
 Moody, David B - Game: Computer, Prog: Applic.
 Moody, Lucille A - Applic. Gen
 Moore, Al - uP Select
 Moore, Peter - Mem: Disks
 Moore, T W - 6800 uP
 Moore, Tim - Future, Other uC's, Stores
 Moran, Neal - Stores
 Morgan, Chris - Mem: Disks, Shows

Morgan, David J - Pilot, Text Edit
 Morgan, Robert M - Heath uC
 Mork, Phil - Mem: Gen, Speech
 Morrill, Harriet - Prog: Applic.
 Morris, Janet - Education, Math
 Morrison, Gordon - BASIC, Prog: Applic.
 Morrison, Robert L - Analog Hard.
 Morrow, George - Interface, Standards
 Morse, Stephen P - 8080 uP
 Morton, Jeffery B - BASIC
 Moseley, Robin C - Bar Code, I/O, Video Displ.
 Moser, Carl - Mem: Tape, Mem: Test, 6502 uP,
 Serial I/O
 Moss, Dan - uC Des
 Mougel, Mark - Mem: Disks
 Moursund, David - Calc. Gen, Education, Math
 Mowchanuk, Timothy - Future, Gen Interest,
 Video Displ.
 Moyer, William - Calc. Gen
 Mrazek, Dale - Bit Slice uP
 Mueller, Robert E - Art, Graphics
 Muuhonen, Gary - Control, Home
 Mundie, David A - BASIC, Pascal
 Munnecke, Tom - Gen Interest, uC Des
 Murphy, Henry - Prog: Utility
 Murphy, James L - Game: Computer, Simulation
 Murrow, Gene - Business Acct
 Murtha, Stephen - Business Gen, Gen Interest,
 Stores
 Musa, Fund - 6800 uP
 Musgrove, John - Business Acct, Prog: Applic.,
 Prog: Utility, Terminals
 Myron, Elliot - Game: Computer

N

Naess, Olav - Interface, APL
 Nagrani, Ashok K - Applic. Gen, Business Gen,
 Robots, Text Edit
 Nagurnay, Ladimer S - # Base Conv.
 Neighbors, Michael A - Graphics
 Nelson, Donald W - Analog Hard.
 Nelson, Peter - Calc. Selec, Digital, Other uP's
 Nelson, T U - Analog Hard.
 Nelson, Ted - Hobby
 Nelson, Theodor - Art, Books, Graphics, Hobby,
 Lang. Gen., Prog: Gen, Public Access
 Nevison, John M - BASIC
 Newell, Allen - Hobby, Humor
 Newhouse, Sam - Business Gen, Home, Prog: Applic.,
 Robots
 Newman, Steve - Calc Prog, Clock
 Ngai, Philip - Logic, 6502 uP
 Nice, H Y - 8080 uP, Prog: Gen, Prog: Fund
 Nicholas, Karl - Other Languages
 Nicholson, Robert T - Debug, Prog: Gen
 Nichparenko, William - Prog: Utility
 Nicola, V S - Prog: Fund
 Nievergelt, Jurg - Prog: Fund
 Nishi, Kazuhiko - Other uC's
 Nissim, Joseph - Mem: RAM, uC Des
 Nobis, Robert - 6800 uP
 Noll, A Michael - I/O, Robots
 Nonymous, A - Gen Interest
 Noone, Emeric T - Education, Game: Computer

North, Steve - Bar Code, Game: Computer, APL, BASIC, Pilot, Mem: Disks, uC Select, Apple uC, Heath uC, PET uC, Polymorphic uC, Music, Prog: Utility, Speech
 Morton, Dr William H - Education
 Notley, M Garth - Kim uC
 Noyce, William - Prog: Fund
 Nurse, Howard L - Heath uC, Printer, Terminals

O

O'Connor, Mark - Books
 O'Donnell, John T - Prog: Utility
 O'Hara, Vicki - Graphics
 O'Haver, T C - Music
 O'Haver, Tom - Control, Home
 O'Loughlin, J - Pascal
 O'Reilly, Francis J - Kim uC, 6502 uP
 Ockers, Stan - Kim uC
 Oels, Howard - Mem: Disks
 Offen, Dave - Graphics
 Ogden, Carol A - Construc, Interface, Mem: Gen, Mem: Disks, Mem: PROM, uP Select, 8080 uP, Standards
 Ogg, Ron - Printer
 Oglesby, Mac - Education, Game: Calc, Game: Computer, PET uC
 Oishi, Ken - Mem: RAM
 Oliphant, James - Mem: RAM
 Oliver, John P - Applic, Gen
 Olson, Hank - Control, Home, Power Supply
 Orozzi, Dr Gerald M - Clubs
 Orr, Joel N - Graphics, Terminals
 Orr, Ronald N - Public Access
 Orr, Tom - Game: Chess
 Osband, Robert - Prog: Applic.
 Osborn, Gordon - Printer
 Osborne, Adam - Future, Hobby, Logic, Math, uC Gen., uC Fund, uC Select, uP Select, 6800 uP, 8080 uP, Z-80 uP, Other uP's, Prog: Gen, Serial I/O, Stores
 Osgood, Skip - Analog Hard.
 Ostby, Eben - Applic, Gen, Code Conv., Lang, Gen., Other Languages, Prog: Gen, Prog: Assembler
 Otsuka, William - Displays 7-seg
 Owen, James G - Calc Prog
 Owen, Robert P - Calc Prog
 Owen, Sid - Digital, Keyboard

P

Pace, Debbie - Control, Home
 PainKian, Robert A - Clock
 Palenik, Les - Business Acct, Home, Prog: Applic.
 Paley, Edward - Debug
 Pallas, Jim - Art
 Pallas, Joseph - Cosmac uP
 Palm, William A - Analog A/D, I/O
 Palmer, John B - Education, Elf uC, Prog: Fund
 Palya, William L - uC Select, Other uC's
 Parker, Robert A - Art
 Parkinson, Ward - Mem: RAM
 Parsons, Charles H - Clock, Kim uC
 Parsons, Keith - Business Gen
 Parsons, T W - Prog: Fund
 Pasquino, Anne - Education

Patstone, Walt - Debug
 Patt, M - Calc Prog, Simulation
 Patterson, James L - Mem: Disks
 Patterson, Wes - Prog: Fund
 Patton, Gerald R - Calc, Selec
 Paul, Keith - Robots
 Peak, Mike - Other uC's
 Pearce, Craig A - Calc, Selec, Heath uC
 Pease, Robert - Mem: RAM, Power Supply
 Peckham, Herbert D - Calc, Selec
 Peele, Howard A - Education, Game: Computer, APL, Math
 Peeters, D - 6502 uP
 Peiffer, Erich A - Interface
 Pelczarski, Mark - Game: Computer
 Pelt, Dick Van - Mem: Tape
 Paluso, Anthony - BASIC
 Penney, George - Gen Interest
 Penniman, Charles F - History
 Penny, James B - Video Displ.
 Penoyer, Robert H - Mem: PROM
 Pepper, Clement S - Keyboard
 Percival, Guilbert - BASIC, Prog: Fund
 Perdue, Terry - 6800 uP, Music
 Perrin, Steve - Game: Computer
 Persson, N C - Control
 Peters, Jessie L - Calc Prog
 Peterson, Craig - Mem: RAM
 Peterson, Steven J - Math, Prog: Applic.
 Peuto, Bernard L - Z-80 uP
 Phadnis, M G - # Base Conv.
 Phaneuf, Mark - Game: Computer
 Pickering, Thomas A - Prog: Utility
 Pielmeier, K P - Prog: Utility
 Pierce, Craig A - Calc, Selec
 Pitchford, Charles - Prog: Fund
 Pittelkau, Clifton W - Amateur Radio, Kim uC
 Pittet, Rene E - Prog: Utility
 Pittman, Tom - 6502 uP, 6800 uP, Prog: Fund, Prog: Utility
 Plauger, P J - Prog: Fund, Prog: Structured
 Pogue, Rodger - Prog: Applic.
 Pohlman, William B - 8080 uP
 Poirot, James L - Education
 Pokoski, John L - Math, Prog: Applic.
 Polen, Edward - Power Supply
 Pollini, Sondra and Steven - Education
 Pollini, Steve - Analog A/D
 Pollock, James W - Amateur Radio
 Poole, Lon - Business Acct, BASIC
 Poole, Phil - SWTPC uC
 Porat, Dan I - uC Fund
 Poray-Tucholski, Dr S J - Gen Interest
 Posa, John G - Pascal
 Posdamer, Jeffery L - Graphics
 Poss, Gary F - Prog: Applic., Video Displ.
 Powell, Dave - Definitions
 Powlette, Joseph L - Test Equip
 Prager, J M - Robots
 Prazak, Paul - Analog A/D, Calc Prog
 Prentice, Lloyd R - Experience, Home
 Prescott, Jon R - Business Acct
 Prestia, Carmine W - Clubs, Game: Computer, Heath uC, Printer, Prog: Applic.
 Price, B D - History
 Price, David - Business Gen
 Prosenko, Gary J - Z-80 uP
 Przedpelski, Andrzej B - Calc Prog

Pugh, Tim - Modem, Prog: Applic., Terminals
 Pumple, Stephen - Mem: PROM
 Purdin, Titus - Mem: Disks, North Star uC,
 Prog: Utility
 Purinton, Timothy - Code Conv., Game: Computer,
 Humor

Q

Quasney, James S - Math Problems
 Quinlivan, F Robert - Mem: RAM
 Quinn, Chester P - Mem: Disks
 Quosig, Karl E - PET uC, Power Supply

R

Rade, Lennart - Calc Prog
 Raikes, Ron - Business Word Process, Text Edit
 Rallapalli, Krishna - Mem: RAM, Serial I/O
 Ramachandran, Gopal - Mem: PROM
 Ramamoorthy, V - Prog: Applic.
 Rampelberg, Jerry D - Mem: PROM
 Randall, James E - Graphics
 Raphael, Howard - uC Des
 Raskin, Jef - Lang. Gen., Music, Shows
 Rasmussen, Cal R - Prog: Utility
 Ratcliff, David - Printer, Terminals
 Rawitsch, Dan - Game: Computer
 Reardon, Judy - Game: Computer
 Recupero, Andrew A - Game: Computer
 Reddy, Rema - Mem: PROM
 Reece, Peter - Applic. Gen, 8080 uP,
 Prog: Assembler
 Reed, W B - Printer
 Rehm, Bradford E - Other uC's
 Rehnke - Kim uC
 Rehnke, Eric - Kim uC
 Reich, L S - Prog: Applic.
 Reichenbacher, Paul - Construc
 Reid, Errol D - Calc Prog
 Reid-Green, Keith S - History
 Reiland, Robert J - Calc Prog, Game: Calc
 Reiling, Robert - Clubs
 Revenel, Bruce - 8080 uP
 Reynolds, Bob - Other uC's
 Reynolds, Peter - Definitions
 Rheinstein, John - Prog: Utility
 Rice, Jean - Education
 Richards, Ron - Debug
 Richards, Thomas - Business Acct
 Richardson, N - Biorythm
 Richartz, John - Test Equip
 Richter, A T - Construc
 Richter, William - Heath uC, Terminals
 Rick, Jon A - Graphics
 Riggs, William - Control
 Ringer, W V - Future, Intelligence
 Ripley, Jerald L - BASIC
 Rippy, David L - Prog: Operating Sys
 Ritchie, Dennis M - Other Languages
 Ritter, T Frank - 6800 uP
 Ritter, Terry - Mem: Test, 6800 uP
 Robbins, Steve - Game: Computer, BASIC
 Roberts, Dennis M - Calc. Gen, Math
 Roberts, Steven K - Prog: Utility, Text Edit
 Roberts, T P - Plotter
 Roberts, William L - Prog: Structured

Robertson, J D - Biorythm
 Rodgers, Robert S - Mem: Gen, 6800 uP
 Rodman, Richard - Prog: Gen
 Rodriguez, Suzanne - Education
 Roehrig, Joe - Applic. Gen, Experience,
 Game: Computer, Home, Other uC's,
 Prog: Applic., Simulation
 Rogers, Bill - BASIC
 Rogers, Jean B - Calc. Gen
 Rogers, John F - History, Math
 Rogers, M S - Digital
 Rohr, Thomas - Music
 Roichel, Ancelme - Other Languages
 Rolander, Thomas - uC Des
 Ronayne, Thomas N - Game: Computer, Math
 Rony, P - Analog Hard., Analog A/D, Clock, Control,
 I/O, Lang. Gen., BASIC, Math. Mem: RAM,
 8080 uP, Prog: Gen, Prog: Fund,
 Prog: Utility
 Rooney, Michael - Lang. Gen., Prog: Gen
 Rope, John A - Medical
 Rose, Allen - APL
 Rosenberg, Ronald - Terminals
 Rosenbluth, William - Gen Interest, Prog: Gen
 Rosenstock, Gunter - Printer
 Rosner, Richard - PET uC, Prog: Fund
 Ross, Edward - uC Gen.
 Rossetti, Tony - Robots
 Rossum, Robert - Robots
 Roth, Richard - BASIC, Prog: Utility
 Rovira, Charles A - Mem: Disks
 Rowe, Mike - Apple uC, Prog: Gen, Prog: Utility
 Rowe, Neil - Lang. Gen.
 Rowh, Mark - Fiction
 Roybal, Phil - Other uP's, Terminals
 Rozsa, Kalman - uC Des
 Ruckdeschel, Fred R - BASIC, Math, Serial I/O
 Rugg, Tom - Game: Computer, Prog: Gen
 Runyon, Stanley - Printer, Test Equip
 Ruple, Gary - Graphics, Video Displ.
 Rush, Peter - Other uP's
 Rushton, N - Game: Calc
 Russ, Flora - Game: Computer, BASIC, Prog: Fund
 Russakoff, Andrew - Game: Computer
 Rutherford, S L - Plotter, Printer
 Ryan, Tim - Communication, BASIC

S

Sabean, Ruth M - Prog: Applic.
 Sabot, Gary - Construc, Control
 Sagan, Carl - Future, History, Robots
 Saleh, Fathi - Mem: Tape
 Salisbury, Alan B - Prog: Gen, Prog: Structured
 Salsberg, Art - Prog: Gen
 Sama, Stephen L - Heath uC, Terminals
 Sander-Cederlof, Bob - Apple uC
 Sanderson, Barry - Amateur Radio, Video Displ.
 Santoni, Andy - Mem: Disks, Mem: RAM, Terminals
 Santore, Ron - Game: Computer, 8080 uP, Prog: Fund,
 Prog: Utility
 Sanyal, S - Mem: Gen
 Sargent, Peter W - I/O, Altair uC
 Sauer, A - Interface
 Saunders, J Lynn - Other Languages
 Savon, Karl - uC Gen.

Scelbi - 8080 uP
 Schenk, Robert - Education, Graphics
 Schenker, Wm J - Applic. Gen, Debug
 Schildt, Herbert - Applic. Gen
 Schimpf, James - Clock
 Schindler, Max J - Lang. Gen., uC Des, uC Select, uP Select, Prog: Gen
 Schlossberg, Edwin - Game: Calc, Home
 Schneider, Lee - Game: Computer
 Schneider, Neil - Displays 7-seg
 Schochet, Sandor R - Other uC's
 Schoman, Kenneth E - BASIC
 Schreiber, Karen - Education
 Schreiber, Linda M - Education, Game: Computer, Graphics, Home, Music
 Schreier, Jim - Prog: Gen
 Schreier, Paul G - Mem: RAM, Mem: Tape, Music
 Schultz, Debbie - Gen Interest
 Schumacher, Ernst - Kim uC, Text Edit
 Schwab, Douglas A - Test Equip
 Schwartz, Allan M - BASIC, Pascal
 Schwartz, Art - Logic, Math
 Schwartz, Irwin - Printer
 Schwartz, Marc - # Base Conv., Apple uC, Music
 Schwartz, Milton - Interface
 Schwartz, Richard A - Calc Prog
 Schweitzer, Bob - Humor
 Scott, B A - Game: Computer, Math Problems, Prog: Fund
 Scott, Douglas E - Biorythm, Calc Prog, Gen Interest, Math
 Scrupski, Stephen - Other uP's
 Scully, Tim - Pilot, Medical
 Seaman, Dennis - Calc. Gen
 Seawright, James - Control, Graphics
 Sedacca, Boris - Business Gen
 Sedlack, B F - Mem: Disks, Mem: Tape
 Seeds, Glen - Bar Code
 Sein, Thomas A - Math, Prog: Utility
 Self, Jerry - Game: Computer
 Serra, Richard A - Calc Prog
 Severinot, Paul - Analog A/D
 Shafroth, Michael G - Humor
 Shah, Kamal - BASIC, Prog: Fund, Prog: Structured
 Shakespeare, Colin J - Plotter, Prog: Applic.
 Shanafelt, Robert - Digital. SC/MP uP
 Shannon, Gary J - Prog: Fund
 Shapiro, Neil - Game: Computer, uC Select, Ohio Sci. uC
 Shapiro, Sydney F - Robots
 Shatzel, A V - 8080 uP, Prog: Gen, Prog: Fund
 Shaw, Donald R - Business Gen
 Shelly, Gary B - Prog: Gen
 Shen, John T - Definitions
 Shershaw, Harry - Fiction, Radio Shack uC, Robots
 Shima, Masatoshi - uC Des
 Shin, Joseph - Education
 Shore, Malcolm - Game: Computer
 Shuch, H Paul - Amateur Radio, Calc Prog
 Shuford, Richard - Bar Code, Home
 Shwartz, Milton - Interface
 Sieber, Werner - Simulation
 Siegel, Alex - Game: Computer
 Siegel, Hy - Radio Shack uC
 Sikorowiz, Walter - Intelligence
 Silver, Gerald - Business Gen, BASIC, uC Fund, Prog: Fund
 Silver, Joan - Business Gen, BASIC

Silver - Prog: Fund
 Sima, Masatoshi - Z-80 uP
 Simmons, Webb - Calc. Gen, uC Gen., uC Select, Prog: Fund, Prog: Structured
 Simon, Mike L - Mem: PROM
 Simonton, John S - Music
 Simonyi, Dr Endre - Math
 Simpson, Phillip - Graphics, Video Displ.
 Singer, Andrew - Business Gen, Gen Interest
 Sippl, Roger J - Calc. Selec
 Sitrick, David - Mem: RAM
 Skovgaard, Erik - SC/MP uP
 Slater, Leland W - Fiction
 Slater, Michael - uP Select
 Slattery, William - Amateur Radio
 Slesnick, Twila - Education
 Sloan, David - APL
 Slomneger, Kenneth - Game: Computer
 Slough, Warwick - Fiction
 Smaha, Martin - Music
 Smetanka, Terry - Serial I/O
 Smith, Brian Reffin - Art
 Smith, Christopher - BASIC
 Smith, David - Other uC's
 Smith, Gerald R - Math
 Smith, Jon M - Business Acct, Calc Prog
 Smith, Keith R - Experience, Other uC's
 Smith, Paul - Displays 7-seg
 Smith, Richard H - Prog: Utility
 Smith, Robert - Printer, Terminals
 Smith, Scott - uP General, uP Select, Bit Slice uP, Speech
 Smith, Stephen - Code Conv., Pascal, Ohio Sci. uC, 6502 uP, Prog: Assembler, Simulation
 Smith, Terry - Game: Computer, Math Problems
 Smith, Wm. V R - Applic. Gen
 Smolin, Michael - Interface
 Sniger, Paul - Graphics, Plotter, Printer
 Sodamann, F D - uC Gen.
 Soderstrom, Randy G - Prog: Applic.
 Sokol, Dan - Control, Home
 Solomon, Leslie - Control, Graphics, Hobby, Home, Mem: Disks, uC Gen., uC Fund, Music
 Solomon, Lewis - uC Gen.
 Soltesz, Les - Other uC's, 8080 uP
 Sondgeroth, Cal - Digital, Prog: Utility
 Sorrels, Jerry - Modem
 Sotos, John - Humor
 Source, Unreliable - Z-80 uP
 Southern, Bob - Education
 Spaniol, J Ward - Other uC's
 Spann, James - Graphics, Video Displ.
 Spencer, Donald - Definitions, Game: Computer, History, BASIC
 Spencer, Kit - PET uC
 Spero, Samuel W - Education, Radio Shack uC
 Spracklen, Dan and Kathie - Game: Chess
 Stadler, Andy - Game: Computer
 Stakem, Patrick H - uC Des
 Stampfly, Al - Education
 Stanley, William D - Math, Prog: Applic.
 Starbuck, D - 6502 uP
 Stark, Peter A - Analog Hard., Humor, I/O, Interface, Keyboard, Lang. Gen., BASIC, Logic, Math, Mem: Gen, Mem: PROM, Mem: RAM, Mem: Tape, SWTPC uC, Prog: Gen, Prog: Applic., Prog: Fund, Serial I/O, Video Displ.

Starr, Jack G - Mem: Tape, SWTPC uC
 Stears, John - Gen Interest, Robots
 Steeden, Terry T - Heath uC, Terminals
 Steele, P M - Business Gen
 Steifel - Mem: Disks
 Stein, Herbert - Pascal
 Stein, Philip - Math
 Steinwedel, Jeff - Communication
 Stephens, Kent G - Education, Video Displ.
 Stephenson, Andrew - Future, Stores
 Sternheim, Eli - Prog: Utility
 Stewart, John F - Amateur Radio, Prog: Operating Sys
 Stiefel, Malcolm L - Business Gen, Mem: RAM, uC Select, Other uC's, Printer, Prog: Operating Sys
 Stifter, F J - Power Supply
 Stine, G Harry - Applic. Gen
 Stites, Robert L - Hobby, uC Select, Radio Shack uC
 Stoddard, Mike - Game: Computer, Graphics, Plotter
 Stogdill, Dan - I/O, Prog: Utility, Serial I/O
 Stone, William - uC Select
 Strangio, Christopher - Prog: Utility
 Strickler, Ivy Fleck - Game: Computer, Simulation
 Strickler, Lance E - Game: Computer, Simulation
 Stryker, Timothy J - APL
 Stuart, Charles E - Graphics
 Stumpf, Devin - Education, Terminals
 Suess, Randy - I/O, Public Access
 Sugarman, Robert - Education
 Sultor, Richard F - Game: Computer, Graphics, Apple uC, Music, Prog: Utility, Video Displ.
 Sullivan, Chris - Clock
 Sutton, Al - Clubs
 Sutton, Patrick - Logic, uC Des, Prog: Applic., Text Edit
 Swain, D H - Debug
 Swank, Joel - Debug, Graphics, Kim uC, Test Equip
 Swartwout, Kenyon - Prog: Utility
 Swasddee, Manot - Math, uC Des, Heath uC
 Sweet, Neesa - Graphics
 Sweeten, Charles - Education, Apple uC
 Swindle, David - Kim uC
 Szuprowicz, Bohdan O - uC Gen.
 Szymanski, Gene - Applic. Gen

T

Tachner, Leonard - Applic. Gen
 Tadewald, Thomas - Construc
 Tandon, Vijay B - Prog: Applic.
 Tannas, Lawrence - Displays 7-seg, Video Displ.
 Tanner, Bill - I/O
 Tanski, Tomasz R - Analog A/D, Prog: Applic.
 Tarbell, Don - Experience
 Tarnopol, Lewis - Mem: Tape
 Tater, Gary L - Interface, Prog: Applic.
 Taylor, D W - I/O
 Taylor, Howard - # Base Conv.
 Teeple, C R - I/O
 Teeter, Wayne L - Mem: Gen
 Teja, Edward R - Modem
 Tekulsky, Matthew - Applic. Gen, Business Gen, Business Acct, Experience
 Temple, James E - Construc
 Tennant, Harry - Lang. Gen.
 Tenny, Ralph - Debug, Displays 7-seg
 Tentarelli, Kenneth D - Analog A/D, Digital, I/O
 Tepperman, Barry - # Base Conv.

Terrell, Paul J - Shows
 Terry, Chris - Prog: Utility, Text Edit
 Terry, J M - Prog: Utility
 Tesler, Larry - Clock
 Thagard, Norman E - Z-80 uP
 Thames, W - Books
 Thatcher, Bruce - Printer
 Thomas, Charles E - Experience, I/O, BASIC, SWTPC uC, Prog: Utility
 Thomas, Owen F - Mem: PROM
 Thompson, Ross - Weather
 Thompson, Wallace T - Amateur Radio
 Thorson, Mark - Test Equip
 Threewitt, Bruce - Mem: RAM
 Titus, C - Analog Hard., Analog A/D, Clock, Control, I/O, Lang. Gen., BASIC, Math, Mem: RAM, 8080 uP, Prog: Gen, Prog: Fund, Prog: Utility
 Titus, J - Analog Hard., Analog A/D, Clock, Control, I/O, Lang. Gen., BASIC, Math, Mem: RAM, 8080 uP, Prog: Gen, Prog: Fund, Prog: Utility
 Tolbert, Henry - Elf uC
 Tolman, David - Math
 Toombs, Dean - Mem: RAM
 Toop, Nick - Other uC's
 Torrero, Edward A - Mem: Gen, uP General
 Toth, Frank S - Calc. Gen, Education, Math
 Towers, T D - Digital
 Towle, Jeffery G - Prog: Utility
 Townsend, Carl - Business Acct, Home, Printer
 Towalee, Arthur - Video Displ.
 Tracton, Ken - Applic. Gen, Game: Computer, BASIC
 Trageser, Jim - Kim uC
 Travers, Kenneth J - Simulation
 Travis, Sam - I/O, Serial I/O
 Treib, Marc - Gen Interest
 Trenhouse, John B - BASIC, Prog: Utility
 Trice, Larry - BASIC, Prog: Fund
 Trifari, John - Z-80 uP
 Tripp, Robert M - Prog: Applic., Text Edit
 Trott, Graham J - Game: Computer
 Trottier, Lorne - Displays 7-seg, Graphics, Keyboard, Video Displ.
 Tsi, Hsi Jue - Music
 Tsuiki, Takao - Analog Hard., Medical
 Tubb, Philip - Game: Computer
 Tululsky, Mathew - Medical
 Tulloch, Michael - Education, Game: Computer, PET uC
 Turner, Bill - Mem: Disks, Standards
 Turner, W W - Books
 Turner, Wade M - Humor
 Turner, William - Prog: Fund, Text Edit
 Turrie, Bruce - Game: Computer
 Tursich, Ernest J - History
 Tutt, B L - Fiction
 Tyeti, Chip A - Construc, Mem: Disks, Mem: PROM, Mem: RAM, Printer, Terminals
 Tyler, Tommy N - Digital

V

Valenti, Mike - Game: Chess
 VanBuer, Darrel J - Clock, Other Languages, Mem: PROM

Van Tassel, D - Fiction, Prog: Gen
 Vann, Keith - Pilot
 Varsos, Spyros G - # Base Conv.
 Veblen, Thorn - Applic. Gen, Construc, Experience
 Veit, Stan - uC Fund
 Venkataraman, K N - Mem: Gen
 Verplank, Joanne Koltnow - Game: Computer,
 Math Problems
 Vershen, Eryk - Books, Game: Chess
 Viarengo, Henry L - Game: Elet
 Victor, John Eric - Education, Simulation
 Vincent, Dan - Mem: PROM
 Viswanath, C - Analog Hard.
 Vittera, James F - F-8 uP, Prog: Utility
 Voros, Todd L - Game: Computer, Prog: Gen,
 Prog: Structured
 Vukcevich, Ray - Business Acct

W

Wagner, William - Prog: Applic.
 Wainland, David - Math
 Wallace, Bob - PET uC, Radio Shack uC
 Wallace, David - Standards
 Waller, Richard R - Business Gen
 Walsh, William - Lang. Gen., Prog: Gen, Prog: Fund
 Walter, Russ - Art, Future, Graphics
 Walters, Timothy - Graphics, Mem: PROM
 Walters, William J - Mem: Disks
 Walton, Robert L - Control
 Wang, Lichen - Prog: Applic.
 Wanner, James F - Serial I/O
 Wantz, Sherman P - Radio Shack uC, Prog: Applic.
 Ward, Brice - Music
 Ward, Jack - Prog: Applic.
 Warne, Paul K - Other Languages
 Warner, Jim - Construc
 Warnier, Jean Dominique - Prog: Fund
 Warren, Carl D - Business Gen, Business Acct,
 Business Word Process, Mem: Disks, Mem: Tape.
 Other uC's, Printer, Prog: Gen, Stores.
 Text Edit
 Warren, Jim C - Heath uC, Public Access
 Warren, William E - Prog: Assembler
 Waser, Shlomo - Math Problems
 Washburn, Jerry - Interface
 Wateren, Frits Van Der - Other Languages
 Waterman, Dave - Amateur Radio, Mem: Tape.
 Radio Shack uC, Power Supply
 Watson, Allen - Mem: RAM, Apple uC, Video Displ.
 Watson, Herman - Text Edit
 Wavrik, John J - Calc. Gen, Education, Game: Calc,
 Math
 Weaver, J F - Math
 Webb, Stan - BASIC, Timeshare
 Webster, John - Art, Graphics, I/O, Robots,
 Simulation, Video Displ.
 Wedemeyer, G T - Prog: Structured
 Weed, Mike - Digital, Math
 Weems, Chip - Prog: Structured
 Weik, Martin H - Definitions
 Weinstein, Larry - Digital, Graphics, Mem: Tape,
 Prog: Applic., Video Displ.
 Weir, Maurice D - Calc. Selec
 Weisbecker, Joseph - Cosmac uP, Prog: Utility
 Weiss, Adrian - Construc
 Weiss, Wm V - Medical

Weissberger, Alan J - Serial I/O
 Weizenbaum, Joseph - Intelligence, Other Languages,
 Prog: Fund
 Welborn, Bill - Applic. Gen, Business Gen,
 Prog: Applic.
 Weller, W J - 8080 uP, Prog: Gen, Prog: Fund
 Wells, Ralph - Debug, PET uC
 Welton, Jon R - Gen Interest, Public Access
 Wentin, Robert F - Mem: RAM, Power Supply
 West, Charlene - Prog: Gen
 Wetherell, Charles - Prog: Gen
 Whaland, Norman D - Game: Chess
 Wharton, John - Mem: Tape
 Wheeler, Ken - SOL
 Whetstone, Albert L - Graphics, I/O
 Whipple, Dick - BASIC, Other uC's, 8080 uP
 Whitaker, Lewis A - Mem: Disks, Mem: Tape
 Whitaker, R O - Displays 7-seg
 White, George M - I/O, Mem: Gen
 White, James S - Books, Business Gen, Education,
 Home, Stores
 White, Loring C - Education, Game: Computer
 Whitney, Michael - Logic
 Whittington, Paul - Business Gen, Prog: Fund
 Wicks, A A - Construc
 Widelitz, Kenneth S - Amateur Radio, Experience,
 Gen Interest, Public Access, Stores
 Wieselman, Irving L - Printer
 Wigger, Kenneth E - Game: Calc
 Wiggins, Richard - Speech
 Wilber, Mike - Public Access
 Wiles, Michael - 6800 uP
 Wilke, Dr William - uC Des
 Willard, Lawrence F - Fiction
 Willhide, Joseph W - Game: Elec
 Williams, Bobby - Hobby, Stores
 Williams, Don - Business Acct, Polymorphic uC
 Williams, Donald M - Business Word Process,
 Prog: Applic.
 Williams, Dr James M - History
 Williams, J C - Kim uC, Prog: Utility
 Williams, M R - Prog: Gen
 Williams, Roger - Business Gen, uC Select,
 Prog: Applic.
 Williams, Sheridan - Math, Other uC's, Prog: Fund
 Williams, Ted - Lang. Gen., Prog: Gen
 Williams, Tom - Heath uC, Radio Shack uC
 Williamson, G A - Analog A/D, I/O
 Williman, Glenn - Amateur Radio, Keyboard
 Wilson, David - Lang. Gen., BASIC
 Wilson, Jim - Game: Computer, PET uC
 Wingerter, Richard - Lang. Gen.
 Wingfield, Michael - Mem: Gen, uC Fund,
 Prog: Utility
 Winkless, Nels - Stores
 Winston, Patrick H - Intelligence
 Winter, Keith - Interface, Terminals
 Winton, Kent - Mem: Disks
 Wirth, Niklaus - Pascal
 Wiseman, Victor A - Video Displ.
 Wittkower, Dr Andrew - Gen Interest, uP General
 Woeltjen, Clint H - Future, Humor, Prog: Assembler,
 Terminals, Video Displ.
 Wolfe, Gordon W - Prog: Utility
 Wolfe, Karen S - Business Gen, Fiction, Future,
 Game: Computer, Home, Prog: Utility

Wolrich, Mitchell - Mem: Tape, Serial I/O
 Wood, R Kent - Education, Video Displ.
 Woods, Don - Video Displ.
 Woods, Larry - Biorythm
 Woods, Robert - Mem: PROM
 Woollard, Barry G - Definitions
 Woolsey, Jerry - Logic
 Wooten, David - Mem: RAM
 Worden, John - Mem: Disks
 Worland, Peter B - Humor
 Wozniak, Steve - BASIC, Apple uC
 Wright, Charles T - Test Equip
 Wright, Jim - Business Gen, Prog: Applic.
 Wright, Mike - Mem: Disks
 Wright, Robert - Mem: Disks
 Wurzburg, Henry - Analog Hard.
 Wygant, Laurence F - Humor
 Wyland, Dave - uC Des

Y

Yarbrough, Alan - Game: Computer
 Yarbrough, Lynn D - Math Problems
 Yee, Joe - Math Problems
 Yob, Gregory - Graphics, PET uC, Video Displ.
 York, Bryant W - Intelligence, Math
 Young, Gary O - Applic. Gen, Business Word Process,
 Prog: Gen, Prog: Applic., Prog: Fund
 Young, George - Construc, Interface, Logic, Kim uC,
 Other uC's
 Young, John - Graphics, I/O, Simulation,
 Video Displ.
 Young, Sam - Mem: Gen
 Yuen, Gregory - Prog: Utility
 Yuen, Herbert - Pascal

Z

Zaks, Rodney - Business Gen, History, I/O,
 Interface, Mem: Disks, uC Fund, Power Supply
 Zanora, Ramon M - Game: Computer
 Zanora, Ramon A - Game: Computer
 Zanolia, Donald J - # Base Conv.
 Zappala, Charles - Amateur Radio
 Zeidlar, Michael - Prog: Gen
 Zimmerli, Dana W - Applic. Gen
 Zimmerman, Mark - Calc Prog, Math, PET uC,
 Prog: Assembler
 Zinn, Karl L - Education, Game: Elec, Gen Interest,
 Hobby, uC Select, Prog: Fund
 Zolman, Leor - Game: Computer, Tiny BASIC
 Zachaw, Edwin V W - Printer
 Zuch, Eugene L - Analog A/D, Video Displ.
 Zussman, Ronald - Calc Prog, Simulation
 Zyla, Michael - Debug

ADDRESSES OF MAGAZINES INDEXED

Write to individual magazine publishers for subscription information.

Byte

Byte Publications, Inc.
70 Main Street
Peterborough, NH. 03458

CQ

Cowen Publishing Corp.
14 Vandeventer Ave.
Port Washington, NY. 11050

Calculators / Computers

DYMAX
PO Box 310
Menlo Park, CA. 94025

Computer Decisions
Hayden Publishing Co., Inc.
50 Essex St.
Rochelle Park, NJ. 07662

Computer Design

Computer Design Publishing
11 Goldsmith St.
Littleton, MA. 01460

Creative Computing

Creative Computing
PO Box 789-M
Morristown, NJ. 07662

Digital Design

Benwill Publishing Corp.
167 Corey Road
Brookline, MA. 02146

Dr. Dobbs Journal

Peoples Computer Co.
PO Box E
Menlo Park, CA. 94025

EDN

Channers Publishing
270 St. Paul Street
Denver, CO. 80206

Electronics

McGraw-Hill Inc.
Electronics, McGraw Hill Bldg.
1221 Avenue of the Americas
New York, NY. 10020

Electronic Design

Hayden Publishing Co.
50 Essex Street
Rochelle Park, NJ. 07662

Elementary Electronics

Davis Publications, Inc.
PO Box 2630
Greenwich, CT. 06830

Ham Radio

Communications Technology
Greenville, NH. 03048

Interface Age

McPheters, Wolfe & Jones
16704 Marquardt Ave.
Cerritos, CA. 90701

Kilobaud

Kilobaud Inc.
Peterborough, NH. 03458

Micro

The COMPUTERIST Inc.
P O Box 3
S. Chelmsford, MA. 01824

Mini-Micro Systems

Mini-Micro Systems
5 Kane Industrial Dr.
Hudson, MA. 01749

Modern Electronics

Now Part of CQ

Personal Computer World

Intra Press
62A Westbourne Grove
London W2, England

Peoples Computer

Peoples Computer Company
PO Box E
Menlo Park, CA. 94025

Personal Computing

Benwill Publishing
167 Corey Rd.
Brookline, MA. 02146

Popular Electronics

Popular Electronics
One Park Ave.
New York, NY. 10003

QST

ARRL
225 Main Street
Newington, CT. 06111

Radio Electronics

Gernsback Publications
200 Park Ave. South
New York, NY. 10003

ROM

Now part of Creative Computing

Spectrum

IEEE
345 East 47 Street
New York, NY. 10017

73 Amateur Radio

73, Inc.
Peterborough, NH. 03458